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<td>NS AMNA MAJEED</td>
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</table>
ABID MAHMOOD

OBJECTIVE
I am looking forward to implement the knowledge, which I have gained throughout my Bachelor Degree, in a fast growing industry. Where I can test and shape my theoretical knowledge in to practical skills.

EDUCATION
2007-Present  College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering)  CGPA: 2.10
2004-2006  F.G. Sir Syed College, Rawalpindi, Pakistan
(HSSC (Pre-Engineering))  808/1100
2002-2004  Army Public School & College, Rawalpindi, Pakistan
(SSC (Science))  726/850

EXPERIENCE
1. Fresh Graduate

AWARDS AND ACHIEVEMENTS
1. Scholarship throughout the Engineering degree at NUST from W&R Directorate Pakistan

FINAL YEAR PROJECT
✓ Design of a Staggered Frequency Hopping system.

SEMESTER PROJECTS
1. Digital System Design : Verification of digital designs using SystemVerilog
2. Digital Logic Design : Design and implemented 4-bit ALU
3. Wave Propagation & Antenna : Design 2x2 Microstrip patch array antenna using HFSS
4. Data Structures : Designed and implemented Result CAD
5. Algorithm & computing : Designed and implemented a Student data base
6. Microcontroller(8051) : Speed and direction control of a DC motor
7. Microcontroller(PIC) : Interfacing of EEPROM, DC motor and infra-red remote control

TECHNICAL SKILLS
1. Hands on experience in PSPICE, AutoCAD, Orcad, Proteus, PCB Express
2. Hands on experience in MATLAB, Simulink, Verilog, Xilinx
3. Hands on experience in Visual C++, Assembly Language, Keil, MPLAB

EXTRACURRICULAR ACTIVITIES
1. Fluent in speaking, reading and writing English and Urdu.
2. Fluent in speaking and reading Pashtu.
3. Enthusiastic player of Soccer, Cricket and Hockey
4. Chess

REFERENCES
Available upon request
AHMED RAZA

OBJECTIVE
I am a young and dynamic individual seeking to pursue a career in an organization which provides me excellent working conditions conductive to character building and development of managerial and technical skills and leverages my exposure of working in multicultural and international environment.

EDUCATION
2007-Present  College of E&ME, NUST, Rawalpindi, Pakistan
   BS in Electrical Engineering
2004-2006  PAF Public School Sargodha
   HSSC (Pre-Engineering)
2004-2006  PAF Public School Sargodha
   SSC (Science)

AWARDS AND ACHIEVEMENTS
1. Have Earned a Full Tuition fee waiver based on the performance in NUST entrance test.
2. Have Earned the Badges for Excellence in Academics in college.
3. Was declared the Genius mind of the year on winning the quiz competition on college level.
4. Have Earned Scholarships based on performance in Inter and Matriculation exams

FINAL YEAR PROJECT
Design of a Staggered Frequency Hopping system.

SEMESTER PROJECTS
1. Have Implemented the Car Windscreen wiper module(Control Systems)
2. Have Implemented Pure Sine Wave Inverter (Power Electronics)
3. Have Implemented the Tachometer (Microcontrollers)
4. Have Implemented the Huffman Compression Coding(Algorithms)
5. Have Implemented Arithmetic Logic Unit (Digital Logic Design)

TECHNICAL SKILLS
1. Highly skilled at programming in C++, Verilog HDL, SystemVerilog, Assembly Language, MATLAB.
2. Adept in use of Multisim, AutoCAD, Modelsim Pspice, HFSS, Lasi7069.
3. Experienced at designing PCB’s in Proteus and Express PCB/SCH.
5. Fluent in spoken and written English, Urdu and Punjabi
6. Ability to do excessive multi-tasking.

REFERENCES
Available upon request
AHMED REHAN

OBJECTIVE
Looking for work in an organization where I can utilize my potentials and grow my professional and technical skills. I would like to prove to be functional and constructive for the organization.

EDUCATION
- 2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
  - BE in Electrical Engineering
  - CGPA: 3.88
- 2006-2008 Islamabad Model College for Boys G-10/4, Islamabad, Pakistan
  - HSSC (Pre-Engineering)
  - 941/1100
- 2004-2006 Islamabad College for Boys G-6/3, Islamabad, Pakistan
  - SSC (Science)
  - 895/1050

AWARDS AND ACHIEVEMENTS
- Merit scholarship holder due to distinct position 32\textsuperscript{nd} in NUST entry test.
- Scholarship holder due to distinct position in every semester.
- Awarded Commandant’s Plaque of Excellence for outstanding performance each year.
- Ranked among Top 4% of all students in Electrical Department.

FINAL YEAR PROJECT
Image deblurring of an optical system using channel equalization

SEMESTER PROJECTS
- Design of T1 carrier system based on pulse code modulation with Time Division Multiplexing 24 voice channels using MATLAB.
- Balancing freely moving Ball on beam using PID controller accompanying graphical user interface of MATLAB.
- Design & Simulation of DC to AC converter.
- Coding and implementation of Splay Trees and their various operations in C++.
- Design and simulation of Calculator in Proteus.

TECHNICAL SKILLS
- Programming languages: C/C++, VC++, Verilog
- Applications: Xilinx ISE, Modelsim (verilog) and ADS (Advanced Systems Design, Matlab, Simulink, MPLAB IDE and KEILUVISION, ORCAD, PROTEUS and EXPRESSPCB, Microsoft Office.

EXTRACURRICULAR ACTIVITIES
Keen interest in Web Surfing for jobs, news, facebook. Other activities are E-gaming, Outing, Sports (Cricket, Football)

REFERENCES
Sadia Shireen
Manager
Pakistan Telecom Company Limited
Address: House #776, Street #45, Islamabad, Zip: 44000
Phone: 923335491401
Email: sadia_engg@hotmail.com
Aitzaz Alam Malik

OBJECTIVE
I am a young and dynamic individual seeking to build a career that challenges my creativity and leverages my exposure of working in multicultural and international environment.

EDUCATION
- 2008-Present: College of E & ME, NUST, Rawalpindi (BS in Electrical Engineering) CGPA: 3.35
- 2007-2005: PAF Public School, Sargodha (HSSC (Pre-Engineering)) 915/1100
- 2005-2003: PAF Public School, Sargodha (SSC (Science)) 700/850

EXPERIENCE
1. Center for Advanced Research in Engineering (CARE)

AWARDS AND ACHIEVEMENTS
1. NUST Dean’s Honor List
2. Full Tuition fee waiver on NUST Entrance Test

FINAL YEAR PROJECT
3 legged Autonomous Rough Terrain Omnidirectional Robot with novel design

SEMESTER PROJECTS
1. Design of Compiler (Data Structures)
2. Implementation of Tachometer (Microcontrollers)
3. Car Wind Shield Wiper Module (Power Electronics)

TECHNICAL SKILLS
1. C/C++, MATLAB, Simulink, Verilog, Xilinx
2. PIC, 8051, FPGA

EXTRACURRICULAR ACTIVITIES
1. Debating
2. Law Books (Constitution, PPC, CrPC)

REFERENCES
Will be provided on request.
Objective
Looking for work in an organization where I can utilize my potentials and grow my professional and technical skills. I would like to prove to be functional and constructive for the organization.

Work Experience
Worked as an intern for six weeks in Fauji Fertilizers Company (FFC) and got familiarized with the major instruments and control loops governing the plant.

Education
BE Electrical Engineering                       CGPA 3.09                                           2008-2012
(Expected to be free by July)
National University of Science and Technology, College of E&ME Campus, Rawalpindi

HSSC                                                              921/1100 (A+)
FFC GRAMMAR H/S School                                          2006-2008
O LEVEL                                                          8 A’s
FFC GRAMMAR H/S School                                          2004-2006

Final Year Project:
• Post Impact Path Predictor. Inspired by Hawk Eye Review system (used in cricket) implemented through image processing on DSP kit.

Semester Projects:
• Cruise Control System.
• Designed the T1 Communication System using MATLAB.
• Unmanned Speed Checking and Ticketing System (Hardware Project) using Microcontroller 8051 (AT89S51)-4th Semester
• Inverter to convert DC voltage to AC.

TECHNICAL SKILLS
• Proficient in programming languages and simulation software like C++, Verilog, ladder logic etc.
• Very good in simulation software like MATLAB, Proteus, Modelsim, Orcad, AutoCAD etc.
• Have a high aptitude to learn about PLC’s and DCS systems.

Extracurricular Activities
• Member EME Olympiad ’11 Organizing Team as part of the sports event team.
• Volunteer work to raise fund for flood and earthquake victims.
• Organized workshops for various trainings for undergrads e.g. MATLAB Workshop etc.
• Captain of the E&ME (NUST) squash team.
• Winning intra-NUST squash championships.
• Awarded the medal for the best player of the year for squash and football.
OBJECTIVE
To put my knowledge and skills to a practical use and to work hard and gain professional experience

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan
BE in Electrical Engineering: CGPA: 3.03
2006-2008  Fazaia Inter College, Chaklala, Rawalpindi
HSSC (Pre-Engineering):915/1100
2004-2006  Federal government Boys College, Islamabad, Pakistan
SSC (Science):904/1050

EXPERIENCE
2. Worked in Right Hand Soft (5th July, 2011-20th September 2011) as a design Engineer.

AWARDS AND ACHIEVEMENTS
3. Obtained 89th position out of 24000 in NUST entry test and was awarded scholarship for the 1st semester (2008).
4. Obtained 1st position in the HSSC exams (Pre-Engineering) in Fazaia Inter College, Chaklala (2008).
5. Was a player of a basketball team which obtained 1st position in North Zone (Rawalpindi) Basketball tournament, 2008.

FINAL YEAR PROJECT: Design and gait analysis of a three legged robot

SEMESTER PROJECTS
1. Designed a virtual Hexadecimal Transceiver (7th Semester) along with a noisy channel in which data is modulated by different keying schemes. A comparison was also made.
2. Designed and made an Inverter (7th Semester) which could convert 24V DC into 24V AC and supply it to a heavy load.
3. Designed and made Water Level Regulator (6th Semester) which maintained water level inside a container. It pumped or discharged water if the level was below or above the requirement using PIC microcontroller.
4. Designed and made an Oximeter (5th Semester) used to calculate the SPO2 (oxygen level in blood)

TECHNICAL SKILLS
1. Programming languages:, Verilog, Assembly Language, C++, C#, C
2. Applications: ModelSim, Proteus, MPLAB IDE,Keil (Assembly Language), MATLAB,Orcad, Xilinx10.1.

EXTRACURRICULAR ACTIVITIES
I enjoy reading nonfiction English books such as autobiographies, those pertaining to global and local politics and business administration. I am fond of reading science fiction and AllamaIqbal’s poetry. I also enjoy fixing broken electrical appliances around the house.
Ammar Mahmood

OBJECTIVE
To work in a growth oriented and renowned organization with a competitive environment, where I can focus my engineering, managerial and leadership skills and pave a way for a career in technical field.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering)  CGPA: 3.62
2008-   Govt. College Gojra, Pakistan
(HSSC (Pre-Engineering))   955/1100
2006-   St. John’s Cathedral High School Gojra, Pakistan
(SSC (Science))     977/1050

EXPERIENCE
1. Huawei Technologies Pakistan in Transmission Department. (8 weeks)
2. Research in UAV LAB, CEME, NUST for final year project  (7 months).

AWARDS AND ACHIEVEMENTS
1. Won HSSC & SSC scholarship from BISE, Faisalabad (Quaid-e-Azam Scholarship).
2. Won NUST High Achievers Scholarship. (5 times).
3. Scored 1st position in NUST admission test and in SSC Exams in BISE Faisalabad.
4. Awarded Plaque of Excellence by Commandant, College of E&ME. (3 times).

FINAL YEAR PROJECT
Autonomous Flight and Navigation of a Quad-Rotor UAV

SEMESTER PROJECTS
1. Robotic Ball & Beam Control System Design using PIC18 with PID Control.
2. DC to AC Inverter & DC Power Supply.
4. Design and Implementation of T1 Carrier System in MATLAB & Simulink.

TECHNICAL SKILLS
1. Programming (C/C++, MATLAB, Verilog HDL)
2. Analysis and Design Tools (Proteus, Orcad, Xilinx, Simulink, AutoCad)

EXTRACURRICULAR ACTIVITIES
1. Reading, E-gaming, watching sports, documentaries, movies & TV shows.
2. Games and Sports (Chess, cricket, basketball and badminton)

REFERENCES
References can be provided on request.
ARSALAN MUNIR

OBJECTIVE
To seek a career oriented position in dynamic, competitive and challenging work environment. I aim to learn new skills and their application to achieve organizational goals and to explore my potential to enhance my capabilities. I consider myself as an ideal candidate for position requiring initiative, responsibility and challenge.

EDUCATION
2008-2012 College of E & ME, NUST, Rawalpindi, Pakistan
   BE in Electrical Engineering            CGPA: 3.16
2006-2008 F.G Sir Syed College, Mall Road, Rawalpindi, Pakistan
   HSSC (Pre-Engineering)                Marks: 904/1100
2004-2006 F.G Technical High School Chaklala, Rawalpindi, Pakistan
   SSC (Science)                        Marks: 941/1050

EXPERIENCE
1. Four weeks internship at Civil Aviation Authority (CAA), Rawalpindi, Pakistan.
2. Four weeks internship at Attock Refinery Limited (ARL) Rawalpindi, Pakistan.

AWARDS AND ACHIEVEMENTS
1. Got scholarship based on Merit position in NUST entrance test.
2. Got overall 1st position in matriculation examination in the school.

FINAL YEAR PROJECT
   Pulse Modulator Assembly of Oil Well Drilling
   • Pulse Modulation in Fluid Columns using Position PID control.
   • Complete mechanical and electrical design of the modulator assembly.

SEMESTER PROJECTS
1. Created a Remote Controlled Submarine prototype using 8051 microcontroller.
2. Built data encryption software and a thesaurus using C++ language.

TECHNICAL SKILLS
1. Working knowledge of programming language C++, Assembly, Matlab and Verilog.
2. Working knowledge of engineering software Pspice, Proteus, AutoCAD, MPLab, Xilinx, Multisim, ADS.

EXTRACURRICULAR ACTIVITIES
Playing football and board games, book reading, listening to music and watching movies.

REFERENCES: Can be furnished on demand.
Azhar Sultan

OBJECTIVE
To be an active part of a dynamic organization where I can apply the knowledge gained during academic years and my technical and organizational skills are polished through utilization.

EDUCATION
- 2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan  
  (BE Electrical Engineering)  
  CGPA: 3.19
- 2006-2008  FG Sir Syed College for Boys Rawalpindi, Pakistan  
  (HSSC (Pre-Engineering))  
  926/1100
- 2006-2008  Fauji Foundation College Rawalpindi, Pakistan  
  (SSC (Science))  
  916/1050

EXPERIENCE
1. Internship in Embedded System Design at Heavy Industries Taxilla Pakistan
2. Freelance work in FPGA based system design at Siroya.org

AWARDS AND ACHIEVEMENTS
1. NUST scholarship for achieving 18th merit position in entrance test.
2. Won EME programming competition held at CEME, NUST.

FINAL YEAR PROJECT
Designed an Auto Loader system for the T80-UD tank using FPGAs. It involved engineering a system that would automatically load and fire ammunition in a tank. (Control Systems + Signal Processing)

SEMESTER PROJECTS
1. Password security Analyzer for SHA-1 hashing (FPGA, Embedded System)
2. Wearable Electronic Device for Epilepsy patients (Embedded Systems)
3. Cruise Control Implementation using PID controller (Control Systems)
5. Full Sine wave generation using inverter design. (Electronics)

TECHNICAL SKILLS
1. Verilog, Visual C++, Assembly, IA-32 Assembly
2. Software proficiency in Xilinx, MATLAB, MPLAB, Proteus, Modelsim

EXTRACURRICULAR ACTIVITIES
1. Sports (Football and Cricket)
2. Literature (History and Novels)

REFERENCES
Can be provided upon request.
Farjad Adnan

OBJECTIVE

EDUCATION

2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering)  CGPA: 3.21

2008- Superior Science College, Gujranwala, Pakistan
(HSSC (Pre-Engineering))  991/1100

2006- Jadeed Dastgir Ideal High School, Gujranwala, Pakistan
(SSC (Science))  984/1050

EXPERIENCE

1. Engro Foods Limited (Internee Supply Chain Management & Engineering)
2. NUST Volunteers Club (Director)

AWARDS AND ACHIEVEMENTS

1. Secured Scholarship of Excellence for Complete Free Education at NUST
2. Topped Board of Intermediate & Secondary Education in 2006 and 2008

FINAL YEAR PROJECT

Fault Tolerant Control and Stable Flight of Vertical Take-off Un-manned Air Vehicle (Quadcopter)

SEMESTER PROJECTS

1. GSM Based Office Security and Electric Network Control System
2. Design and Implementation of 24V Inverter
3. Motion detection Mouse for the Desktop Computers

TECHNICAL SKILLS

1. C, C++, Assembly Language, FPGA(SPARTAN-3E) and Microcontroller(AVR & PIC) Programming
2. Proficient in PLC Programing, AutoCAD Design, MATLAB Programming & Proteus Simulation

EXTRACURRICULAR ACTIVITIES

1. Volunteer Event Planning & Execution, Reading Books on Personality Building and History
2. Playing Chess, Cricket and Table Tennis

REFERENCES

Will be furnished upon Request
Address: H.no 77, Lane 5, Askari X1  Rawalpindi, Pakistan
Contact: +92 5512436, Cell: +92 321 5195794
Email: gazidstager@rocketmail.com

GHULAM DASTAGIR

Education:
2008 – 2012  College of Electrical and Mechanical Engineering (CEME),
National University of Sciences and Technology (NUST), Pakistan.
   ✔️ BE - Electrical Engineering  CGPA = 3.34/4.0
2006 – 2008  F.G Sirsyed Degree College The Mall, R.W.P
   ✔ Marks Obtained=84%  Grade : A+

WORK EXPERIENCE:
Jun2011-Aug2011  Internship in British American Tobacco, Jhelum Factory
   Done 5 projects in Primary Manufacturing Department.
Jun2010-Aug2010  Internship in Industrial Automation and Derive Technologies (IA&DT) at SIEMENS, Islamabad.
   Worked on PLCs of SIEMENS i.e. LOGO, SEMATICS, Motors.

FINAL YEAR PROJECT:
Image deblurring of an optical system using channel equalization:

It involves modeling and characterization of an optical system and then using digital image processing techniques to deblur and restore the original image stream using deconvolution algorithms on an FPGA.

STUDY PROJECTS:
- PH control by implementing of PID controller using PIC18F52.
- Inverter Design in Power Electronic.
- Implementation Of Master Slave Communication using 8051controller.
- Arithmetic Logic Unit  Using Proteus
- DC Power Supply design.
- AVL trees using C++ language.
- Matrix Calculator and Quiz Game using C++ language

SKILLS:
- Microsoft Visual C++(Visual C++).
- Keil, Mide (Assembly language 8051), MPLAB IDE (For PIC Microcontroller).
- Pspice, Electronic Workbench, Lassi.
- Proteus, Orcad, Express PCB.
- Xilinx, Modelsim (Verilog HDL).
- Mat lab, Microsoft Office(Word, PowerPoint, Excel), AutoCAD.
OBJECTIVE
Seeking a career with a premier organization offering a long-term career path and opportunities to employ my skills and practical experience for becoming a well-recognized professional and ultimately attaining prestige and pride for the organization and for myself as well.

EDUCATION
- **2008-Present**: College of E & ME, NUST, Rawalpindi, Pakistan (BE in Electrical Engineering) CGPA: 3.06
- **2006-2008**: Punjab College of Information Technology, Pakistan (HSSC (Pre-Engineering)) 985/1100
- **2004-2006**: Noukhez Public High School, Multan, Pakistan (SSC (Science)) 921/1050

EXPERIENCE
1. **July 2011 - August 2011**: SIEMENS Pakistan Engineering Company (Lahore, Pak) Worked for 4 weeks as an Internee in Energy Automation (BU)
3. **July 2010 - August 2010**: Pakistan Telecommunication Company Limited (Multan) Worked for 2 weeks as an Internee in WLL and Switching Departments

AWARDS AND ACHIEVEMENTS
1. Received the Award of Merit Based NUST Scholarship in admission test of NUST.
2. Received the Award of NUST high achievers in 7th Semester of B.E.
3. Received the Award of S.B.P Scholarship for B.E.
4. Received the Award of HSSC Talent Scholarship in BISE Multan.
5. Received the Award of Merit Based Fee Scholarship for two years in Punjab Group of Colleges.
6. Participated and won a prize at city level in a contest held under Islamic Talent Society.
7. Represented NUST in Mobilink Super Engineer Competition.

FINAL YEAR PROJECT

SEMESTER PROJECTS
1. Design and Implementation of 24 volts D.C to A.C inverter.
2. Design and Implementation of Precise Control of RGB Colors using PID controller.
3. Controlled different devices with the help of DTMF using 8051 Microcontroller.
5. Designed a weather base station using PIC Microcontroller.
6. Implemented Transmitters and Receivers of different Digital Modulation Schemes such as BPSK, BFSK, BASK, CDMA, OFDMA in MATLAB.

TECHNICAL SKILLS
- **Programming**: C & C++, Assembly, Verilog, MATLAB, HTML & PHP
- **Design tools**: PSPICE, Proteus, Xilinx, ModelSim, PSCAD
- **Microcontroller**: 8051, PIC 18F452, AT 89C51, 8086
- **Operating System**: Win 98, Win XP, Server 2000, Vista, Win 7
- **General Software**: MS Office, MS Word, MS Excel, MS PP, MS Visio

EXTRACURRICULAR ACTIVITIES
1. An Executive member of NUST Volunteers Club.
2. Have interest in Urdu Literature and read many books of great Urdu writers.

REFERENCES
Can be furnished on demand
HAMMAD HASSAN JASKANI

OBJECTIVE
To seek a career oriented position in dynamic, competitive and challenging work environment. I aim to learn new skills and their application to achieve organizational goals and to explore my potential to enhance my capabilities. I consider myself as an ideal candidate for position requiring initiative, responsibility and challenge.

EDUCATION
2008-2012 College of E & ME, NUST, Rawalpindi, Pakistan
   BE in Electrical Engineering  CGPA: 3.63
2006-2008 F.G Sir Syed College, Mall Road, Rawalpindi, Pakistan
   HSSC (Pre-Engineering)  Marks: 971/1100
2004-2006 Sir Syed Public School, Rawalpindi, Pakistan
   SSC (Science)  Marks: 949/1050

EXPERIENCE
1. Four weeks internship at Civil Aviation Authority, Rawalpindi, Pakistan.
2. Eight weeks internship at Pakistan Telecommunication Company Limited Rawalpindi.

AWARDS AND ACHIEVEMENTS
1. 82ND Merit position in NUST entrance test
2. GPA based Scholarship in 1ST, 2ND, 3RD, 5TH, 6TH and 7TH semesters.

FINAL YEAR PROJECT
Pulse Modulator Assembly of Oil Well Drilling
   • Pulse Modulation in Fluid Columns using Position PID control.
   • Complete mechanical and electrical design of the modulator assembly.

SEMESTER PROJECTS
1. Created a Remote Controlled Submarine prototype using 8051 microcontroller.
2. Built data encryption software and a thesaurus using C++ language.

TECHNICAL SKILLS
1. Working knowledge of programming language C++, Assembly, Matlab and Verilog.
2. Working knowledge of engineering software Pspice, Proteus, AutoCAD, Multisim, MPLab, Xilinx, ADS.

EXTRACURRICULAR ACTIVITIES
Playing football and software games, book reading, listening to music and watching movies.

REFERENCES: Can be furnished on demand.
Hannan Akhtar

OBJECTIVE
To apply for the position of Engineering Trainee in a well reputed and dynamic organization where I can use my Technical skills and enhance them to the fullest.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan  
(BS in Electrical Engineering)  CGPA: 3.30
2006-2008  OPF Boys College H-8/4 Islamabad, Pakistan  
(HSSC (Pre-Engineering))  905/1100
2004-2006  OPF Boys College H-8/4 Islamabad, Pakistan  
(SSC (Science))  919/1050

EXPERIENCE
Summer internship in Instrumentation Department at Fauji Fertilizers Company, Saidqabad  
Observed Working of Distributed Control System (DCS), Programmable Logic Controllers (PLC), Solenoid Operated Valves (SOVS), Level Temperature and Pressure Measurement Instruments. (2010)

AWARDS AND ACHIEVEMENTS
1. Elected head boy of my college.
2. Director Promotions for EME Olympiad 2011.
3. Currently Finance secretary of IEEE CEME branch.
5. Worked under the banner of NUPSA for relief of flood affected victims.

FINAL YEAR PROJECT
Embedded Target Tracker on a Moving Platform  
Working in collaboration with CARE to develop an algorithm for automatic object locking and tracking while at the same time implementing this mechanism for Al-Khalid tanks of Pakistan Army using co-processing image processors alongside HD visible light / Thermal Imaging camera.

SEMESTER PROJECTS
1. PID controlled temperature monitoring and stabilizing system using closed feedback.
2. Speed detection and counting of vehicles based on Traffic model using Laser light.
3. Modular Speedo/Odometer for Real Time active Data Acquisition and Computation of Track Variables and also communicating wirelessly to secondary PIC.
5. Design and fabrication of Power Supply.

TECHNICAL SKILLS

EXTRACURRICULAR ACTIVITIES
Badminton, Football, Swimming, Chess, Travelling
Hasan Wajahat

OBJECTIVE
Looking for work in an organization where I can utilize my potentials and grow my professional and technical skills. I would like to prove to be functional and constructive for the organization.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
Be in Electrical Engineering   CGPA: 3.01
2007-2008 Army Public School and College, Gujranwalla, Pakistan
HSSC (Pre-Engineering) 910/1100
2006 Beacon House School system, Quetta, Pakistan
O-levels (Science) 6A’s, 2B’s

EXPERIENCE
1. Six weeks internship training at Telenor Pakistan in Islamabad.
2. Six weeks internship at NESCOM.

AWARDS AND ACHIEVEMENTS
1. 109ST Merit position in NUST entrance test
2. GPA based Scholarship in 5rd semester

FINAL YEAR PROJECT
1. First Ultrasound machine of Pakistan.

SEMESTER PROJECTS
1. Inverted Pendulum, a control systems project.
2. Real time speedometer using PIC microcontroller.
3. Psuedo compiler in C++ using data structures.

TECHNICAL SKILLS
1. Programming languages; C/C++.
2. Applications: Labview, Matlab, AutoCAD, MS Office, PSpice, Cisco Packet tracer.
3. CCNA certification.

EXTRACURRICULAR ACTIVITIES
1. Very fond of literature.
2. Football fan.

REFERENCES
Ali Cheema, Manager LTE dpet Ericsson Dubai. Ay.cheema@gmail.com
Hassan Naveed

OBJECTIVE
To pursue a challenging career in an innovative organization, where I can contribute positively by applying the knowledge acquired during my academic years and can keep pace with prospective technological advancements in the related field.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan
(BE Electrical Engineering)  CGPA: 3.12
2006-2008  FG Degree College for Boys Wah Cantt, Pakistan
(HSSC (Pre-Engineering))  956/1100
2006-2008  APSACS Jhelum Cantt, Pakistan
(SSC (Science))  963/1050

EXPERIENCE
1. Internship in Projects & Technical Services at MOL Pakistan
2. Internship in Core and Intelligence Network at Nokia Siemens Networks

AWARDS AND ACHIEVEMENTS
1. Vice President Society of Information & Communication Technology (SICT) College of EME.
3. Part of College debating team at All Pakistan level.

FINAL YEAR PROJECT
Designed an Auto Loader system for the T80-UD tank using FPGAs. It involved engineering a system that would automatically load and fire ammunition in a tank. (Control Systems + Signal Processing)

SEMESTER PROJECTS
1. Wearable Electronic Device for Epilepsy patients (Embedded Systems)
2. Cruise Control Implementation using PID controller (Control Systems)
3. Pure sine inverter using MOSFETs and microcontroller (Electronics)

TECHNICAL SKILLS
1. Visual C++, Assembly Language, Verilog, Keil, Masm
2. Proficient in softwares like MATLAB, Proteus, AutoCAD, Xilinx, PSPICE

EXTRACURRICULAR ACTIVITIES
1. Book reading (Science, history)
2. Sports (football and squash)

REFERENCES
Can be furnished upon request.
Hur Raza Ihsan

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering)  CGPA: 3.10
2008- Fauji Foudation College for Boys Rawalpindi, Pakistan
(HSSC (Pre-Engineering)) 938/1100
2006- Roots Montessori & High School Rawalpindi, Pakistan
(SSC (Science)) 920/1050

EXPERIENCE
1. Eight weeks internship at MOL Pakistan Oil & Gas Co BV’s Central Processing Facility, Karak, Pakistan.

AWARDS AND ACHIEVEMENTS
1. 109 Merit position in NUST entrance test
2. Fauji Foundation Excellence award

FINAL YEAR PROJECT
Real-time Detection, Tracking and Classification on IR NV Thermal Cameras

SEMESTER PROJECTS
1. Development of cruise control system for a motorized miniature car using PIC microcontroller based PID controller.
2. Development of a power inverter using PIC microcontroller and a MOSFET based H-bridge
3. MATLAB based modulation, demodulation and channelization of various digital modulation techniques in-depth BER analysis & MATLAB based signal processing of speech signals.

TECHNICAL SKILLS
1. Programming languages: BASIC, VISUAL C++, 8051 ASSEMBLY, 8086 ASSEMBLY (Debugger & Masm), MATLAB, Open CV,
2. Applications: MS Office, Design lab PSPICE, Proteus, Masm615, Keil, AutoCAD, Advanced Design System (ADS), Xilinx, Visual Studio

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Debates Poetry & Reading.
2. Sports (Cricket, Hockey, Tennis, Table Tennis, Squash, Polo, Swimming)

REFERENCES
Col Prof Dr Shoab A Khan
Irtaza Rasool

OBJECTIVE
To acquire a position in a leading organization and enter a competitive environment which enables me to apply my skills in Electrical Engineering and provide maximum benefit to the organization.

EDUCATION
- 2008-2012 College of E & ME, NUST, Rawalpindi, Pakistan (BE in Electrical Engineering) CGPA: 3.36
- 2006-2008 F.G.Sir Syed College, The Mall, Rawalpindi, Pakistan (HSSC (Pre-Engineering)) 940/1100
- 2004-2006 Al-Amin Higher Sec. School, Rawalpindi, Pakistan (SSC (Science)) 915/1050

EXPERIENCE
1. Served as internee in PTCL in the field of Optical Fiber Cable (OFC), Optical Fiber Systems (OFS) and Network Management System (NMS).

AWARDS AND ACHIEVEMENTS
1. Stood among top 50 in F-Sc among more than 50000 candidates (Pre-Engg), FBISE
2. Has won scholarships in first two semesters (UG Study)
3. Has won scholarships from PAEC

FINAL YEAR PROJECT
Implementing a radar system which is capable of detecting the target and determining the range, speed and position both on MATLAB and FPGA.

SEMESTER PROJECTS
1. Implemented Splay Trees Algorithm using C++
2. PWM Fan Control based on Temperature (using INTEL’s 8051 Microcontroller)
3. SMS Based Vehicle Theft Detection (using MICROCHIP’s PIC18f452)
4. Speed and Position Control of DC motor using PID controllers
5. Implemented Snake Game Using C++
6. Implemented Magnitude Comparator using Proteus

TECHNICAL SKILLS
1. Highly Skilled at programming in C, C++, Matlab, Verilog HDL, Assembly Language
2. Adept in use of AutoCAD, Pspice, ModelSIM, Xilinx ISE, Proteus, Lasi 7

EXTRACURRICULAR ACTIVITIES
1. Actively participate in sports (cricket, football)
2. Net Surfing, Blogging
3. Music, Movies

REFERENCES
Will Be Provided On Request.
OBJECTIVE
Looking for work in an organization where I can utilize my potentials and grow my professional and technical skills. I would like to prove to be functional and constructive for the organization.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
   BS in Electrical Engineering   CGPA: 2.9
2006-2008 Islamabad College for Boys G-6/3, Islamabad, Pakistan
   HSSC (Pre-Engineering) 852/1100
2004-2006 Islamabad College for Boys G-6/3, Islamabad, Pakistan
   SSC (Science) 855/1050

EXPERIENCE
1. 2 Month internship training at Huawei Telecom, Islamabad, Pakistan.

AWARDS AND ACHIEVEMENTS
1. Top 15% Merit position in NUST entrance test

FINAL YEAR PROJECT
1. Medical Ultrasound Signal Processing.

SEMESTER PROJECTS
1. Simulation and development of Pulse Oxymeter.
2. PID Controller Implementation of Inverted Pendulum.
3. Control of a HDD BLDC Motor.
4. Fabrication and control topology for DC-AC Inverter
5. A complete Dictionary application in C++
6. Advance Matrix Calculator in C++
7. Tic Tac Toe game in C++
8. Variable Power Supply (Electronics)
9. 8-bit Adder/subtractor

TECHNICAL SKILLS
1. Programming languages: C/C++, JAVA, Android
2. Applications: Proteus, Matlab, MS Office, PSpice, Xilinx

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Software Developing, Learned JAVA on my own and now developing Android Applications
2. Keen interest in Video games
3. Often participate in Gaming Competitions.
4. Sports (Cricket, Football, Table-Tennis)
OBJECTIVE
Looking for work in an organization where I can utilize my potentials and grow my professional and technical skills. I would like to prove to be functional and constructive for the organization.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
   BS in Electrical Engineering   CGPA: 3.07
2006-2008 Army Burn Hall College for Boys Abbottabad, Pakistan
   HSSC (Pre-Engineering)         913/1100
2004-2006 Army Burn Hall College for Boys Abbottabad, Pakistan
   SSC (Science)                  933/1050

EXPERIENCE
1. Four weeks internship training at Nestle Waters, Islamabad, Pakistan.
2. Four weeks internship training at Telecard, Islamabad, Pakistan

AWARDS AND ACHIEVEMENTS
1. 8th Merit position in NUST entrance test
2. NUST Scholarship for 1st semester.
3. Chief of Army Staff Gold Medalist (FSc)
4. Best Research Project Grant by HEC (Hybrid Electric Vehicle)

FINAL YEAR PROJECT
1. Medical Ultrasound Signal Processing.

SEMESTER PROJECTS
1. Speedometer/Odometer with real time data computation and plotting.
2. PID Controller Implementation of Inverted Pendulum.
3. Control of a HDD BLDC Motor for Propeller Clock.
4. Fabrication and Control topology for DC-AC Inverter

TECHNICAL SKILLS
1. Programming languages: C/C++
2. Applications: Proteus, Matlab, MS Office, PSpice, Xilinx, MPLab

EXTRACURRICULAR ACTIVITIES
1. Member of National Geographic Society.
2. Member of NUST Volunteer’s Club.
3. Keen interest in Greek Mythology.
4. Sports (Cricket, Football)
Muhammad Hassan Irshad

OBJECTIVE:
I am seeking a job in an organization where I can contribute positively towards the objectives of the organization to the best of my capabilities and develop my skills.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan  
(BS in Electrical Engineering)  CGPA: 3.02
2008-    Forman Christian College Lahore, Pakistan  
(HSSC (Pre-Engineering))  954/1100
2006-    English Grammar School, Pakistan  
(SSC (Science))  935/1050

EXPERIENCE:
Internship:
I worked on the project of making GUI of a Radar system in Linux that can show runtime results of a target by getting the data from the Embedded system that is interfaced with it. I worked on porting the built in embedded system libraries from Windows to Linux and made the GUI in C#.

AWARDS AND ACHIEVEMENTS
1-Won MATLAB scripting competition at APEC (All Pakistan Engineering Conference) 2011 held in GIKI, Topi.
2-Got admission in NUST with merit-based scholarship.

FINAL YEAR PROJECT
Simulating OFDM/CDMA Modulation Scheme on SDR (Final year project):
I am currently working on this project in which I am simulating the modulation scheme on MATLAB and calculating the BER rates for different values of SNR. Furthermore the hardware implementation is carried on the Software Defined Radio.

SEMESTER PROJECTS
1-Motion based game-controller with USB interface:
I made motion based game-controller using the direction sensors and interfaced it with computer using a PIC micro-controller. It used default drivers for both Windows or Linux and it had a device recognizing time of less than one second.

2-Making a Pseudo-Compiler using C++:
It was a group project in which we developed a C++ program that simulates an original compiler. It accepted the command in simple text that produced the codes. Later these codes were fed to the next program to execute. I led the team to make it. The project was named as best course project.

TECHNICAL SKILLS
1. Basic knowledge of C++ , Assembly Language and JAVA
2. Basic knowledge of Verilog for the work in Embedded Systems.
3. Basic knowledge of working with different operating systems like Fedora, Ubuntu.

EXTRACURRICULAR ACTIVITIES
1. Participated in the essay writing competition and won the second prize.
2. represented the Cricket and Football team at both college and school level.
Muhammad Ibraheem

OBJECTIVE
To enhance my capabilities and qualifications so that I have the opportunity to prove myself as a competent employee.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan  
(BS in Electrical Engineering)  CGPA: 3.55
2006-2008  FG College for Men, Kharian Cantt, Pakistan  
(HSSC (Pre-Engineering))  909/1100
2004-2006  Wisdom House Boys High School, Kharian, Pakistan  
(SSC (Science))  930/1050

EXPERIENCE
1. HMI building, simulation and testing on Allen Bradley PAC (Control Logix) for a U.S based company Pall Corporation for water filtration plants using Rockwell Software RSView32 and Wonderware Intouch softwares.

AWARDS AND ACHIEVEMENTS
1. NUST Entry Test Merit Scholarship: Stood 29th among 25,000 students participating in NUST entry test and was awarded with waiver of tuition fee.
3. Football: Winner of Inter Department Football Championship ’11.
4. Table tennis: Reached Quarter Final in Inter Department Table tennis Tournament ’10.

FINAL YEAR PROJECT
Design, development and implementation of an Engine Control Unit (ECU) for multi-fuel Car engines. Project scope includes implementation of Electronic Fuel Injection (EFI) and other control systems on a 4 cylinder engine using petrol and CNG as inputs, testing system parameters for fuel efficiency, performance and engine life.

SEMESTER PROJECTS
1. Design and implementation of RFID Reader using AVR microcontroller and basic electronic components.
2. Development of Inverter (DC to AC) using IGBT’s and PIC microcontroller by generating SPWM.
3. Implementation of maximum power algorithm on solar cells using PID.

TECHNICAL SKILLS
1. MATLAB, SIMULINK
2. Wonderware & RSVIEW
3. Python, C++, Processing
4. PHP, JavaScript, HTML and CSS
5. Proteus, PSPICE, Xilinx

EXTRACURRICULAR ACTIVITIES
1. Undertook the responsibility of Director Media in NUST Volunteer Cub. Organized media drives for promotion of Flood Relief Campaigns, Blood camps and other events. Developed a database of 400 blood donors in campus to make finding of a blood group more efficient. Also a member of the strategic team.
2. Hobbyist Web-Developer
OBJECTIVE
To work on a challenging position in an exalted and prestigious organization that gives me an opportunity to become a thorough professional while being productive to the organization.

EDUCATION
2008-12 College of E & ME, NUST, Rawalpindi, Pakistan
(BE in Electrical Engineering) CGPA: 3.93
2006-08 F.G. Sir Syed College The Mall, Rawalpindi, Pakistan
(HSSC - Pre-Engineering) 995/1100
2005-06 Siddeeq Public School 6th Road, Rawalpindi, Pakistan
939/1050

EXPERIENCE
1. Internship in Electrical and Instrumentation Department, Fauji Fertilizer Company Ltd. Studied field instrumentation, DCS, ESD, BMS and industrial automation using PLCs. (July-Aug 2011)
2. Worked as intern at Zephyr Textiles Ltd. Lahore (Aug-Oct 2010)
3. Organized & taught in Microcontroller workshops held under NVC in EME college

AWARDS AND ACHIEVEMENTS
1. Stood 1st among boys in Fsc. (Pre-Engineering), overall 3rd in Federal Board
2. Won Lipton Talent Hunt-Engineering Stream 2011 by developing an innovative tea maker
3. Stood 4th in NUST entrance exam among 40,000 candidates
4. Selected in NSTC and attended week long training camp held at GIKI
5. Won scholarships by Federal Board, Rawalpindi Board and NUST

FINAL YEAR PROJECT
‘Remotely Controlled Weapon Station System’. The objective is to design and fabricate a system that automatically locks and shoots a target from IR SAM synchronized with remote binoculars.

SEMESTER PROJECTS
1. Obstacle avoiding robot (8051 Microcontroller)
2. Microcontroller based ECG machine (PIC Microcontroller)
3. PID control of a pendulum actuated by propellers (Control Systems)
4. Design and simulation of directional coupler in Agilent Advance Design System (Microwaves)
5. Designed and fabricated Digital speedometer and odometer for PB Automotive as a freelance
6. Autonomous Robot for participating in National Engineering Robotics Contest (NERC) 2011

TECHNICAL SKILLS
1. Microsoft Visual C++ (Visual C++)
2. Microsoft Office (Word, Excel, Power Point etc.)
3. Assembly Language: Keil, MPLAB IDE and Verilog HDL: Xilinx, Model Sim
4. Pspice Electronic Workbench, MultiSim, Proteus, Orcad, ExpressPCB
5. Web Development using Adobe Dreamweaver (HTML, PHP, MySQL)
6. MATLAB, Advance Design System, AutoCAD, Adobe Photoshop, After Effects

EXTRACURRICULAR ACTIVITIES
1. Member of IEEE EME branch, ESEF Society and NUST volunteer club (NVC)
2. Assisted in organizing EME Olympiad 2010 and Olympiad 2011 as Event head
3. Held fund raising campaign for earthquake victims, IDPs and flood affectees

REFERENCES
Available on request
Muhammad Nadeem

OBJECTIVE
To pursue my career in a reputed and progressive organization that allows me to solicit my engineering capabilities in a dynamic and challenging work environment.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan  
(BS in Electrical Engineering)  CGPA: 3.10
2006 – 2008  Govt. Emerson College Multan, Pakistan  
HSSC (Higher Secondary School Certificate)  
Marks: 914/1100
2004 – 2006  Govt.Comprehensive School Multan, Pakistan  
SSC (Secondary School Certificate)  
Marks: 916/1050

AWARDS AND ACHIEVEMENTS
1. Participated in Science Quiz Competition organized by Govt of Punjab.
2. Won Football tournament twice in EME College NUST.
3. Played Football at district level.

FINAL YEAR PROJECT
To implement an OFDM-CDMA Hybrid modulation scheme on SDR (Software Defined Radio) kit. Includes multiple platforms (MATLAB simulations and implementation using VerilogHDL).

SEMESTER PROJECTS
1. Designed a Pseudo compiler in C++
2. Designed and Implemented and Arithmetic Logic Unit (ALU) on PCB
3. Designed and implemented a Temperature Sensor based Fan speed control system using PIC 18f452 microcontroller.
4. Designed a Home Security System using DTMF.
5. Designed and implemented an RGB Light Intensity Control System with PID Controller using PIC 18f452 microcontroller.

TECHNICAL SKILLS
1. C++, Verilog HDL, Assembly
2. MATLAB, ModelSim, PSpice, Keil, MPLAB, Proteus, Xilinx, Maya, Microsim, AutoCAD

EXTRACURRICULAR ACTIVITIES
1. Playing Football and badminton.
2. Mountain climbing and travelling.
3. Meeting people and sharing their views.
4. Doing adventures with strong determination
Muhammad Nouman Awan

OBJECTIVE
Seeking to get a career oriented job in a professional environment that offers utilization of my skills and provide learning opportunities to keep pace with advanced technologies.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering) CGPA: 3.52
2006-2008 F.G.Sirsyed College Thee Mall, Rawalpindi, Pakistan
(HSSC (Pre-Engineering)) 963/1100
2004-2006 F.G.Public Sec.School Mehfooz Road Rawalpindi, Pakistan
(SSC (Science)) 949/1050

EXPERIENCE
1. One month internship at SEECS, worked on a project
2. 6 Weeks Internship in Cicil Aviation Authority(CAA)
3. 10 months Internship in HIT Taxila

AWARDS AND ACHIEVEMENTS
1. 19th in all Pakistan intermediate exam

FINAL YEAR PROJECT
Working on Re-Engineering of T-80UD autoloader. Study of the whole autoloader and redesigning of it using microcontroller and FPGAs. Phase demodulation has been performed on FPGAs.

SEMESTER PROJECTS
1. Security system based on the password&face recognition with on 8051
2. Wireless base biomedical Equipment for Epilepsy patient using PIC .
3. Cruise Control of a motor using PID i.e. maintaining a constant speed over variable loads
4. Implementation of SHA-1 Decryption algorithm on FPGAs.

TECHNICAL SKILLS
1. C++, MATLAB, MikroC, Proteus, PSPICE, MPLAB IDE ,Xilinx
2. Familiar With Microsoft Office (Excel,Word, Power Point Especially

EXTRACURRICULAR ACTIVITIES
1. Playing outdoor games i.e Football, Cricket.
2. Watching movies and seasons.

REFERENCES
On demand
Muhammad Qasim Javed

OBJECTIVE
To work in a dynamic and challenging environment where my technical skills are utilized and honed while being productive to the organization.

EDUCATION
- 2008-Present College of E & ME, NUST, Rawalpindi, Pakistan (BE Electrical Engineering) CGPA: 3.37
- 2006-08 F.G Sir Syed College, The Mall Rawalpindi, Pakistan (HSSC (Pre-Engineering)) 954/1100
- 2005-06 Siddeeq public School Rawalpindi, Pakistan 919/1050

EXPERIENCE
1. 6 week internship at Fauji Fertilizer Company plant site Goth machii where I learned about field instrumentation, DCS and ESD using PLCs
2. Internship at Pak Elektron Limited (PEL) where I learned about manufacturing of transformers, switch gears and energy meters

AWARDS AND ACHIEVEMENTS
1. Stood 16th among 40000 candidates in NUST Entry test earning fee waiver for 1st semester.
2. Stood 25th in Federal Board in FSc
3. Got merit scholarship from NUST
4. Got FBISE Scholarship for securing high grades

FINAL YEAR PROJECT
Automation and fabrication of two degree freedom robotic manipulator actuated by HMD with integrated laser range finder and IMU sensor for tele-robotic defense application

SEMESTER PROJECTS
1. PID control implementation to change the mean position of a pendulum
2. GSM Based Security and Home Appliance Control System (PIC Microcontroller)
3. Modeling Wireless Electric Car Control via Bluetooth Compatible PC/ Laptop
4. Feedback controlled Inverter for Uninterrupted Power Supplies

TECHNICAL SKILLS
1. Knowledge of PSPICE, AutoCAD, Orcad, Proteus, PCB Express
2. Knowledge of MATLAB, Simulink, Verilog, Xlinx, Multisim
3. Design and fabrication of embedded systems and Industrial electronic feedback controllers
4. Microsoft Office (Excel, Word & Power point)
5. Undergone a training program about networking and routers/switches configuration

EXTRACURRICULAR ACTIVITIES
1. Football player also like love to play cricket
2. Interest in politics and current affairs

REFERENCES
Available on request
OBJECTIVE
Seeking a position of Electrical Engineer in a highly reputed organization that will offer me an opportunity to utilize my skills and experience towards the growth of the organization.

EDUCATION
2008-2012 College of EME, NUST, Rawalpindi, Pakistan
   BE in Electrical Engineering               CGPA: 3.13
2006-2008 Beaconhouse School System, Defence Campus, Lahore, Pakistan
   A Level (Pre-Engineering)                 2 A, 2 B

EXPERIENCE
1. Four weeks internship in Transformer Division at Pak Elektron Limited (PEL), Lahore, Pakistan.
2. Four weeks internship in Switchboards Business Unit at Siemens, Lahore, Pakistan.

ACTIVITIES AND AWARDS
1. NUST high achievers scholarship in 1st and 5th Semester
2. Silver Medal for Securing 2 As in A Level
3. Member NUST Volunteers Club (NVC)
4. Member IEEE CEME Student Branch
5. Represented EME College in Mobilink Super Engineer Competition
6. Played Football for Electrical Department

FINAL YEAR PROJECT
1. Design and Implementation of OFDM-CDMA Transceiver on Software Defined Radio

SEMESTER PROJECTS
1. Sine Wave Inverter
2. RGB LEB White Light Generation using PID Control
3. Red Black Binary Search Trees in C++
4. Bit Error Rate Comparison of Modulation Schemes in MATLAB

SKILLS
1. MATLAB, AutoCAD, Proteus, Xilinx, Verilog, C/C++, MS Office
2. Team Player, Hardworking, Problem Solving, Effective Communication
OBJECTIVE
Seeking career opportunities in an organization with promising growth prospects, where I can maximize my skills as an Engineering Graduate.

EDUCATION
- 2008-2012 College of E & ME, NUST, Rawalpindi, Pakistan (BE Electrical Engineering) CGPA: 3.70
- 2006-2008 F.G. Sir-Syed College, The Mall, Rawalpindi, Pakistan (HSSC (Pre-Engineering)) 965/1100
- 2004-2006 Siddeeq Public School, 6th Road, Rawalpindi, Pakistan (SSC (Science)) 930/1050

EXPERIENCE
1. Six weeks Internship at Ufone GSM in BSS Support department, Islamabad
2. Four weeks Internship at Elixir Technologies, Islamabad

AWARDS AND ACHIEVEMENTS
1. Won merit scholarship and University High Acheiver’s Award (8 times)
2. Won 12th National Physics Talent Contest held by PAEC & HEC Pakistan

FINAL YEAR PROJECT
Remote Automation of a Two degree of freedom Robotic Manipulator
The project includes Design, Fabrication and Feedback Control of a two degree of freedom robotic manipulator that can be used for the automation of a gun turret, remotely over a wireless link.

SEMESTER PROJECTS
1. PIC microcontroller based Portable Human ECG Monitoring System
2. Developed a search engine using Splay Tree Algorithm
3. Implemented an Arithmetic and Logic Unit (ALU) on printed circuit board

TECHNICAL SKILLS
1. Acquired acquisition in MATLAB, Xilinx 10.1, Proteus and AutoCAD
2. Expertise in C++, Verilog HDL and Assembly language

EXTRACURRICULAR ACTIVITIES
1. Enjoys Cricket, music, movies and Professional photo editing
2. Reserves great interest in current affairs

REFERENCES
Available on request
OBJECTIVE
Seeking a challenging position in a growth oriented organization where I can apply my innovation, problem solving and organizational skills.

EDUCATION
2008-Present  College of E&ME, NUST, Rawalpindi, Pakistan
(BE in Electrical Engineering)  CGPA: 3.46
2008-2012  FG Degree College for Men, Wahcantt, Pakistan
(HSSC (Pre-Engineering))   900/1100
2006-2008  Sir Syed College, Wahcantt, Pakistan
(SSC (Computer Science))  973/1050

EXPERIENCE
1. Research Internship Connekt Lab, SEECS, NUST July-September 2012
2. Lab Internship, Digital Systems Lab, CEME, NUST August 2012
3. Certified Associate in PLC and SCADA System, SEECS NUST and BIS

AWARDS AND ACHIEVEMENTS

FINAL YEAR PROJECT
‘Image deblurring of a Telescopic system using channel equalization’ The project involves modeling and characterization of a Telescopic system and the blurring caused by it. Original image stream is then restored after restoration by an inverse system implemented on an FPGA.

SEMESTER PROJECTS
1. Design and implementation of a robotic Ball and Beam balancing system using PID controller.
2. Efficient power control system based on Zigbee wireless communication protocol using PIC microcontroller.

TECHNICAL SKILLS
1. Digital system tools and simulators like Xilinx ISE, XPS, SDK and Modelsim.
2. Matlab, Simulink, MPLAB IDE and KEILUVISION.
3. Operating system like Windows, TinyOS, MS-DOS and Linux
4. Microsoft Office and Open Office.org
5. ORCAD, PROTEUS, Multisim and EXPRESS PCB

EXTRACURRICULAR ACTIVITIES
1. Organizing member of EME Olympiad and Nust Volunteers Club (NVC).
2. Gaming: FIFA, Age of Mythology, Outdoor Sports: Cricket

REFERENCES
Available on request
Muhammad Umar Mukhtar

OBJECTIVE
To work in an organization where I can utilize my true potential and to deliver results applying my technical, management, decision making & communication skill

EDUCATION
2008-Present  College of E&ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering)  CGPA: 3.47
2008- F.G Sir Syed College Rawalpindi, Pakistan
(HSSC (Pre-Engineering))  954/1100
2006- Fazaia Inter College, Pakistan
(SSC (Science))  904/1050

EXPERIENCE
1. **Philip Morris International**  (June’11- Aug’11)  KOTRI & KARACHI
   Interned in the Secondary Tobacco Processing Department and successfully completed the project GAP Assessment & Product Traceability in Primary, Secondary and Warehousing.

2. **Fauji Fertilizers Company**  (4 weeks)  MIRPUR MATHELO
   Summer Intern: ‘Electrical & Instrumentation Department’

AWARDS AND ACHIEVEMENTS
1. ‘Hope Of The Future’ in Pakistan Young Leaders Conference (PYLC) 2011, held at Convention Center, Islamabad
3. Finalist of Unilever’s Lipton Talent Hunt – Engineering Stream
4. Commandant’s Plaque of Excellence in 2010 for academic excellence

FINAL YEAR PROJECT
   Embedded Target Tracker based on a Moving Platform

SEMESTER PROJECTS
1. Pendulum Angle Control System Actuated by Motorized Propeller Control Systems Engineering
2. Microcontroller based ECG system for Arrhythmia Detection PIC Microcontrollers
3. Obstacle Avoider and Line-Tracking Robotic Car

EXTRACURRICULAR ACTIVITIES
1. Working as a Campus Ambassador for an NGO Teach For Pakistan
2. Vice-Captain of winning NUST inter departmental football team

REFERENCES Available upon Request
Muhammad Umer Anwaar

Personal Statement
Looking for work in an organization where I can utilize my potentials and grow my professional and technical skills. I possess strong marketing, presentation and negotiation skills; Familiar with engineering standards, practices and procedures, ability to work independently and handle multiple tasks.

Educational Record
2008- till present  BE in Electrical Engineering- 8th semester, College of E&ME, National University of Sciences and Technology (NUST), Rawalpindi   CGPA: 3.64 on a scale of 4.0
2006-2008  HSSC. (Pre-Engineering) from GIFT Colleges, Gujranwala
Marks:  998/1100 (90.72%) Grade A+
2004-2006  SSC (Science) from Army Public School & College, Gujranwala Cantt (APSACS)
Marks:  967/1050 (92.09%) Grade A+
2011  Course FPGA Based Chip Design at MCS, NUST

Experience
Internship at Engineering Office of Engro Foods Limited, Sahiwal  (July 1, 2011 to August 12, 2011)

Projects at Internship:
1. Analysis of Energy Efficient Refrigeration Systems
2. Harmonic Distortion Analysis due to Variable Frequency Drive (VFD)
3. Practical Measures for Improvement of Efficiency of Screw Compressors’ Motor using VFD

Final Year Project
- Design of Electronic Control Unit Platform with Electronic Multiple Fuel Injection System for increased efficiency and life of engine of Automobiles

Major Projects
- Design of RADAR’s Motion Control Unit with Head of Electrical Department
- Built a complete RFID based Access Control System (will be implemented in NUST-CEME soon)
- Design and implementation of a solar tracking system. (Control Systems)
- Built a "Microlab" (DMM, Digital Oscilloscope and Function Generator) and developed GUI using MATLAB
- Real-Time Control of Remote Control Car through computer

Skill Set
- Skilled in state-of-the-art Microcontrollers (AVR, PIC) and their Programming in Assembly and C Language (AVR Studio, MPLab, uVision Keil)
- Circuit Designing and Simulations in Orcad and Proteus, FPGA Programming using Xilinx
- Proficient in softwares like MATLAB, ModelSim, MS Office

Awards & Achievements
- Secured Scholarship of Excellence for complete free education at NUST by the Government of Punjab
- Received “NUST Distinguished Student” Award on academic excellence in 2010
- Awarded Commandant’s Plaque of Excellence in NUST-CEME, Three times
- Received Gold Medal on standing First in BISE, Gujranwala at Intermediate level in 2008
- Got National Talent Scholarship on academic excellence in 2008
- Selected for the High Achievers Development Program (7-Days) of Government of Punjab

Research Work
- Design and Implementation of a Low Cost Open Source RFID Card Reader (Submitted at ICET -2012)
HOUSE #6 SATELLITE TOWN, SARGODHA.
PHONE +92-321-6036202
E-MAIL: umerhuzaifa30@ee.ceme.edu.pk

Muhammad Umer Huzaifa

OBJECTIVE
To join an engineering solutions providing organization to polish my professional skills as well as implementing my technical learning in solving real life problems.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BE in Electrical Engineering) CGPA: 3.53
2006-08 Air Base Inter College, Sargodha
(HSSC (Pre-Engineering)) 964/1100

EXPERIENCE

RIGHT HAND SOFT: (JULY-SEP 2011)
Developed an API (Application Programming Interface) for interactive usage GSM/ GPS Module SIM 548c.

NUST COLLEGE OF EME: (JULY-AUG 2010)
Explored Spartan 3E FPGA by doing different projects.

AWARDS AND ACHIEVEMENTS
• Got GPA based scholarship in 4 semesters from the NUST.
• Got 4 year professional education scholarship from FBISE, Islamabad.

FINAL YEAR PROJECT
The Design and Development of a Tripod Robot focusing on a successful stable and non-dragging gait implementation.

SEMESTER PROJECTS
POWER ELECTRONICS: Designing of a 31V (RMS) Inverter
CONTROL SYSTEMS: PID Control System Designing for a Water level Controller mechanism.
EMBEDDED SYSTEMS:
• Designed a Motion Sensing USB Game Controller
• Designed a Toy Car remote controller with Motion Based interactive control.

TECHNICAL SKILLS
• Handy at Embedded Systems Designing for the given specifications.
• Can Cope with the deadlines and the workload pressure.
• Good at adapting with a team of people from different cultural backgrounds.
• Communication skills good for properly conveying the viewpoint to the different organizational levels.

EXTRACURRICULAR ACTIVITIES
• Initiated the Orientation Program, “Bridging the Gaps” for the New Comers in the university campus.
• Initiated the Orientation Program, “Right Internship” for the junior year and sophomore students.
• Organized Seminar, “New Horizons” with the speakers enlightening the students about the emerging fields in IT and Communication.
• Active participant of the “Paper Recycling” drive at university.

REFERENCES
Will be furnished upon request.
MUHAMMAD USMAN

OBJECTIVE
Looking for work in an organization where I can utilize my potentials and grow my professional and technical skills. I would like to prove to be functional and constructive for the organization.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
B.E in Electrical Engineering  CGPA: 2.41
2006-2008  F.G. Sir Syed College, the Mall, Rawalpindi, Pakistan
HSSC (Pre-Engineering)  890/1100
2004-2006  P.O.F Model High School, Gadwal, Wah Cantt, Pakistan
SSC (Science)  914/1050

AWARDS AND ACHIEVEMENTS
1. 127TH Merit position in NUST entrance test
2. NERC 2006 & 2011 participant

FINAL YEAR PROJECT
Design, Implementation and Control of an Unmanned Weather Balloon

SEMESTER PROJECTS
1. Tic-Tac-Toe game using 8051 micro-controller with enhanced AI level.
2. Digital Clock with Alarm implemented using Synchronous counters.
4. White line tracking robot (sensor and motor design).
5. Development of Splay trees algorithm and database based on algorithm (C++)
6. Speed Control on fan fitted motor operating on different speeds according to the temperature of surroundings (thermally active).
7. Successful designing of a power inverter (24 Volt D.C to A.C signal) using Power MOSFETS (IRF 530 & IRF 9530)

TECHNICAL SKILLS
1. Languages: C/C++, Mikro-C, Assembly, VERILOG,
2. Applications: MATLAB, AutoCAD, Xilinx, Office, PSPICE, Visual Studio, MultiSim, Proteus VSM.

EXTRACURRICULAR ACTIVITIES
Cricket, Squash, Online Gaming, Novels.
OBJECTIVE
To flourish myself as a part of a professional organization that utilizes my skills, working ability and achievements and to provide a constructive outlet of my energies.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering)  CGPA: 3.35
2006-2008  F.G. Sir Syed College The Mall, Rawalpindi Cantt.
(F.Sc)  Grade: A1(974/1100)
2004-2006  Islamabad Model College for Boys (IMCB)I-10/1, Islamabad
(SSC)  Grade: A1(963/1050)

EXPERIENCE
1. Internship at NGN department PTCL, 6th Road Satellite Town Rawalpindi, worked on softswitch and UMGs.
2. Internship at SIEMENS BU-CI (Business Unit –Cross Industries), Islamabad, worked on industrial application of STEP 7 and SIMATIC engineering software.

AWARDS AND ACHIEVEMENTS
2. Won best student award from ‘Headquarters 10 Corps’ in F.Sc exams.
3. Won scholarships from NUST in 1st and 2nd Semester.

FINAL YEAR PROJECT
Designing a real time signal processor for Pulsed Doppler Radar. Designed Signal Processor is able to extract the 3D location of the detected target.

SEMESTER PROJECTS
1. Implementing snake game in C++. [2nd Sem]
2. Design and Control of ALU (Arithmetic Logic Unit). [3rd Sem]
3. Temperature regulator in 8051 microcontroller using DC motor and serially connected Sensor.[4th Sem]
4. Vehicle tracking system using zigbee modules with LCD and serial interface in PIC Microcontroller.[5th Sem]
5. Upsampling and downsampling of audio signal using matlab.[5th Sem]
6. Cruise control of DC Motor in PIC Microcontroller with GUI on Matlab .[6th sem]
7. Hardware Implementation of Inverter. [7th sem]
8. Implementation of Radar System using CFAR detection on Matlab.[7th sem]
9. Implemented a wireless communication system using Binary Phase Shift Keying(BPSK), Binary Frequency Shift Keying (BFSK) and Binary Amplitude Shift Keying(BASK). [7th sem]

TECHNICAL SKILLS
1. Programming languages: C, C++, Matlab, Verilog HDL, Assembly Language
2. Adept in use of AutoCAD, PSpice, ModelSim, Xilinx Tools, Proteus, MultiSim
3. PCB Designing using ExpressPCB.

EXTRACURRICULAR ACTIVITIES
Net surfing, Playing Table Tennis, Cricket, Wildlife documentaries.

REFERENCES
BURHAN UL HAQ

OBJECTIVE
Striving to be a part of an organization where I can be a part of growth; both mine as a professional, and the company’s on the whole.

EDUCATION
2007-Present  College of E&ME, NUST, Rawalpindi, Pakistan
BS in Electrical Engineering
2005-2007  Fazaia Inter College, E9 Islamabad
HSSC (Pre-Engineering)

EXPERIENCE
1. December 2011 - Present
   Social Media Analyst, Branding Bees Pakistan
2. April 2011 - July 2011
   Research Engineer, Ideogeny Pakistan
3. December 2010 - April 2011
   Research Intern at Centre for Advanced Research in Engineering, Islamabad
4. August 2010 - October 2010
   Internship at SIEMENS as a PLC programmer
5. June 2010 - August 2010
   Internship at College of E&ME in Microcontrollers

AWARDS AND ACHIEVEMENTS
1. Best Delegate Award at Pakistan Young Leaders Conference 2011
2. Best Delegate award at GIKI MUN 2010
3. Shaheen Foundation Excellence Award throughout the engineering degree.
4. Scholarship in NUST entrance examination.
5. Best Speaker award at All Pakistan Debating Championship 2007

FINAL YEAR PROJECT
Design of a Staggered Frequency Hopping system.

SEMESTER PROJECTS
1. Home automation and security system using PIC microcontroller
2. Database Management and text file encryption using C++
3. Homogeneous SDF CONversion on FPGA using Xilinx
4. RC Control of a vehicle using 8051 microcontroller

TECHNICAL SKILLS
C++  Code Composer  ModelSIM  Assembly Language
Proteus  OrCAD  AutoCAD  KeilVision
STEP7  MATLAB  Xilinx  MPLAB
Embedded Linux  Adobe Photoshop  Adobe Illustrator  Corel Graphics Suite
3D Studio Max  Prezi

EXTRACURRICULAR ACTIVITIES
1. President EME Alumni Liaison Committee 2010-present
2. Director Photography Club
3. Designer/Editor of Annual Alumni Magazine
4. Blogger, Writer, Social Media Activist.

REFERENCES
MUZAMMIL IQBAL

OBJECTIVE
To seek a career opportunity at a well reputed organization that will provide me with a chance to utilize my technical skills I would like to prove to be functional and constructive for the organization.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
   BE in Electrical Engineering          CGPA: 3.12/4.00
2006-2008 Govt. Degree College Layyah, Pakistan
   HSSC (Pre-Engineering)               1009/1100
2004-2006 Govt Model High School Layyah, Pakistan
   SSC (Science)                        963/1050

AWARDS AND ACHIEVEMENTS
➢ Secured 1st Position in Pre-Engineering Group in annual Examination 2008 of B.I.S.E. Dera Ghazi Khan
➢ Recipient of Certificate of Honor and Cheque of PKR 2,00,000/ from Chief Minister of Punjab
➢ Won National Talent Scholarship for year 2006-2008
➢ Member of Professional Layyan Society (PLS) & NVC (NUST Volunteer Club)

FINAL YEAR PROJECT
Design, Implementation and Fabrication of Multiple agent Intelligent Electro-Mechanical Systems (MIEMS) for Robocup SSL (Small Size League)

SEMESTER PROJECTS
➢ Design of a wireless Device & controlled it through Computer
➢ Control of a self balancing inverted Pendulum
➢ Design and implementation of an automated Security System, Implementation of Master-Slave Concept on PIC microcontrollers via wireless medium and performing Multitasking

TECHNICAL SKILLS
➢ Programming languages: Assembly ,C/C++, VC++, Verilog HDL
➢ Applications: Proteus, Matlab/Simulink, AutoCAD, PSpice, NI MultiSim Electronic Workbench, FPGA Programming using Xilinx, Express PCB

EXTRACURRICULAR ACTIVITIES
➢ Keen interest in internet Surfing Computer Gaming
➢ Playing Soccer and Cricket with friends occasionally
➢ Playing Chess and Cards with friends in spare times

REFERENCES can be provided on request
Nauman Noor Muhammad

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering)  CGPA: 3.18
2008-  Punjab College for Boys Faisalabad, Pakistan
(HSSC (Pre-Engineering))  979/1100
2006-  O'Levels, Cambridge University, England
(Science)  3A,4B,1C

EXPERIENCE
Worked with Siemens team at Interloop Pakistan Limited.
Successfully installed 10 PLC Control Panels within given time frame.

AWARDS AND ACHIEVEMENTS
1. Merit Based Scholarship in University (1st & 2nd Semester)
2. Got 7th position in NUST entry test throughout Pakistan
3. Merit Based Scholarship throughout F.Sc

FINAL YEAR PROJECT
Design, Implementation And Fabrication of Multiple agent Intelligent Electro-Mechanical Systems (MIEMS) for Robocup SSL (Small Size League)
A team of 5 Omni Drive Robots, having wireless communication. Initially proposed for ROBO CUP competition. Can also serve as a surveillance team.

SEMESTER PROJECTS
1. Obstacle Detecting Robot using Microcontroller(4th Semester project)
   A small robot controlled with 8051 microcontroller. Using LED’s and sensors the car was able to avoid obstacles in its path and avoid falling over edge
2. Smart Home (5th Semester Project)
   A small scale smart home was implemented using PIC18F452 microcontroller. This miniature automated system monitored the environment both inside and outside the house and responded accordingly.
3. Signal Modulation using MATLAB (6th Semester Project)
   Signal modulation using MATLAB. This helped a lot in understanding real life signal modulation process.

TECHNICAL SKILLS
1. Matlab, C++
2. Proteus

EXTRACURRICULAR ACTIVITIES
1. Football
2. Literature, Blogs
3. Chess

REFERENCES
Will be Provided On Request.
OMER ASAD SAFDAR

OBJECTIVE
To work in an esteemed organization where I can polish my technical and personal skills and contribute to the growth of the organization.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
   BS in Electrical Engineering          CGPA: 2.7
2006-2008 APS&C Gujranwala Cantt, Pakistan
   HSSC (Pre-Engineering)              967/1100
2001-2003 APS&C, Gujranwala Cantt, Pakistan
   SSC (Science)                       959/1050

AWARDS AND ACHIEVEMENTS
1. Received “Excellence Scholarships” in Matric and HSSC.
2. Received “Merit Scholarship” from NUST in the 1st Semester.
3. Won zonal “Sketching Competition”.
4. Was “Head Boy” in school and college.
5. An active member of “E Gaming Club” and “Professionals Club”.

FINAL YEAR PROJECT
“Medical ultrasound signal processing.”

SEMESTER PROJECTS
1. Designed and fabricated a ‘Modified Sine Wave inverter’.
2. Implemented ‘The T1 System (24 voice channels)’ on MATLAB.
3. Designed and fabricated a ‘Water Level Feedback Control System’ with real-time plotting using GUI.
4. Worked on ‘Electric Hybrid Cars’.
5. Implemented ‘Buck Boost Converter’.

TECHNICAL SKILLS
   PHP, C++, PCB Express, ARES, MATLAB, ADS,
   MS Excel, Office, Xilinx, Verilog, VHDL, Proteus,
   Model Sim, AutoCad,
   P SPICE.

EXTRACURRICULAR ACTIVITIES
Sketching, painting, Chess, E-gaming, music, football.
Emphasis on perfection is my primary goal because “If a thing is worth doing, it is worth doing well”.

OBJECTIVE
To pursue active research in a challenging and dynamic industrial environment that will hone my technical skills and prepare me to meet the toughest challenges of the industry.

EDUCATION
2008 – Present
College of E & ME, NUST, Rawalpindi, Pakistan
(Bachelors in Electrical Engineering) (CGPA: 3.83)

2006 – 2008
Islamabad College for boys G-6/3, Islamabad
(HSSC (Pre-Engineering)) (948 / 1100)

2004 – 2006
SSC, Islamabad College for boys G-6/3, Islamabad
(SSC (Science)) (973 /1050)

AWARDS AND ACHIEVEMENTS
1. Represented Pakistan as student ambassador at the SAARC student exchange program (25 Nov-09 Dec 2007 New Delhi India)
2. Qualified for the Top 12 round of National Chemistry Talent Contest-4 held at H.E.J. Research Institute of Chemistry, University of Karachi.
3. Received the Commandant's Plaque of Honor 3 times for securing semester GPA of 3.89, 3.92 and 3.92 respectively and the Distinguished Student Award 2 times for securing semester GPA of 3.82 and 3.75.
5. Stood 2nd in all model institutions in Islamabad, in SSC Examination
6. Appointed Senior NUST Student to serve as a link between the administration and the students.

FINAL YEAR PROJECT
- Design, Analysis and implementation of Electronic Control Unit development platform for increased efficiency of automotive engines (a collaborative project of NUST, MAJU and COMSATS)

SEMESTER PROJECTS
- Design of a gun calibrating system for Military Tanks (a project of Heavy Industries Taxila)
- Design and implementation of a RFID card reader. (Microcontrollers)
- Design and implementation of a table tennis trainer robot. (Microcontrollers)
- Design and implementation of an 8051 microcontroller based digital multi tool. (Microcontrollers)
- Design and implementation of a high directivity coupler. (Microwave Engineering)
- Design and implementation of a solar tracking system. (Control Systems)
- Design of Database systems, “Snake” game using 2D arrays and Talking Dictionary (C++ Programming)
- Design and Implementation of a Full Bridge Inverter (Power Electronics)
- Design of Pulse Doppler Radar System (MATLAB Programming)
- Communication systems implementation and audio signal processing (MATLAB Programming)
- Website development using HTML and PHP (Adobe Dreamweaver)

TECHNICAL SKILLS
Academic
MATLAB, Xilinx (Spartan 3 FPGA), MPLAB (PIC Microcontroller), Keil (8051 Microcontroller), Microsoft Excel, Microsoft Visual C ++, GW BASIC, PSPICE, Multisim, Auto CAD, Proteus, ADS

Special effects
Adobe After effects, Adobe Photoshop, Ulead Video studio, Ulead Photoimpact, 3D Studio Max, Sony Vegas

INTERESTS AND ACTIVITIES
- Image processing, Embedded systems development, Programming based solutions
- Participated in GIKI Science fair 2007 and 2008
- Participated in Speed Programming in NUST Olympiad 08 (SEECS NUST), NASTEC 09 (SEECS NUST) and speed wiring NASTEC 09 (SEECS NUST)
- Participated in Software Quiz competition in SOFTCOM 2010 held at GIKI

REFERENCES
- Dr Fahad Mumtaz Malik, Assistant Professor, College of E&ME, NUST, Rawalpindi
SAIF SULTAN

OBJECTIVE: To obtain job in a reputed and dynamic company.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering) CGPA: 3.71
2005-2007 Saint Mary’s Acadmy, Rawalpindi, Pakistan
(HSSC (Pre-Engineering)) 996/1100
2003-2005 KRL Model College Kahuta, Pakistan
(SSC (Science)) 967/1050

EXPERIENCE
1.

AWARDS AND ACHIEVEMENTS
2. Awarded NUST High Achievers’ Scholarship 2009-2011

FINAL YEAR PROJECT
1. Autonomous Flight/Navigation and Fault Tolerance of a Quad-rotor Ariel Vehicle:
2. Mathematical Modeling and Simulation (MATLAB) of 6 DoF Flight Dynamics of Quad-rotor
3. Development, simulation and implementation of Control Algorithms for stable hover
4. IMU Sensor data analysis (state estimation) and filtering (Kalman and Wavelet De-noising)
5. Modeling and Estimation of system parameters and actuator model
6. Mechanical Design and Fabrication of Quad-rotor platform and Test Bench

SEMESTER PROJECTS
1. Designed and Implemented PID controller for stabilizing an Inverted Pendulum.
2. Design and fabricate “Bi-directional microwave coupler”
3. Designed and fabricated a bipolar antenna
4. Design and Implement a 8-bit microcontroller architecture on Spartan 3E FPGA platform
5. "RFID Card Reader" using PIC18F and AVR Atmega 16 platforms
6. “1MHz Digital Oscilloscope interfaced with a computer” using ATMEAL 8051 platform
7. Built 220V/12V Transformer core
8. Designed and developed a 12V-9W DC Power Supply
9. Designed “64-bit Floating Point Arithmetic Logic Unit ALU”
10. Implemented “Read and Black Binary Search Tree Data Structure”

TECHNICAL SKILLS
1. Matlab, Simulink
2. Pspice, Proteus

EXTRACURRICULAR ACTIVITIES
1. Swimming
2. Chess

REFERENCES
Will be furnished on request.
Salman Hameed Khan

OBJECTIVE
I yearn to be a dynamic participant in a qualified team of well reputed organization and to build there in a career leading to a higher management position.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering) CGPA: 3.85
2006-08 IMCB G-10/4, Islamabad, Pakistan
(HSSC (Pre-Engineering)) 966/1100
2004-06 ICB G-6/3, Islamabad Pakistan
(SSC (Science)) 966/1050

EXPERIENCE
1. UG Research Assistant, CoNNekT lab, SEECS, NUST (October 2010 till date)
2. Design Engineer Intern, Multicraft (Industrial Setup), 3 months (July-Sep 2010)
3. R&D work experience in Audio Signal Processing at Digital System Design lab, EME, NUST (September 2010)

AWARDS AND ACHIEVEMENTS
1. Recipient of merit scholarship in all semesters of BS (Electrical)
4. Published/Presented my research work in the form of one book chapter, two journal and two conference papers.
5. Selected for Global U-Grad student exchange program of US state department.

FINAL YEAR PROJECT
FPGA Based Image Deblurring Using Channel Equalization:
Response of camera is modeled along with noise introduced by the channel and image is restored in real time at receiver end using a deconvolution filter implemented on FPGA.

SEMESTER PROJECTS
1. Ball on a beam control using PIC MCU and PID Controller.
2. Light control using zigbee communication and detecting no. of people in room.
4. Activity Recognition Using Single IMU to detect 10 different activities.
5. Mote on a Chip Solution, Atmega128RFA1 with TinyOS enabled.
6. Artificial Pancreas: design in Matlab coupled with vital sign monitoring.

TECHNICAL SKILLS
1. Programming Languages : C/C++, Verilog HDL, Assembly language.
SYED MUHAMMAD USMAN SAEED

OBJECTIVE: To work for an international progressive organization where analytical and technical skills will be enhanced through utilization.

EDUCATION:

2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
BE Electrical Engineering (Electronics, Controls, Comm.)    CGPA: 3.57

2006-2008 FFC Grammar H/S School, RahimYar Khan, Pakistan
HSSC (Pre-Engineering)                                           MARKS: 941/1100

EXPERIENCE:

1. Product Supply intern for 10 weeks at Procter and Gamble Pakistan (July 2011-Sep 2011). Qualified in the hire-able pool. Interned in the technical systems and quality assurance departments.
   - Assigned 12 in-house projects related to engineering, management and trainings.
   - All of the projects reviewed by auditors from P&G worldwide.
   - Learnt about PLCs and instrumentation across plant

2. Technically trained through workshops on: DSP kits, CUDA for GPUs and FPGA

AWARDS & ACHIEVEMENTS:

- Projects displayed in project fairs and major events across NUST.
- Awarded with Commandants Plaque of Academic Excellence and medal of academic excellence at NCE&ME.
- Awarded with NUST High Achievers scholarship in 6 out of 7 semesters to date.
- WINNER All Pakistan Speed Wiring Competition SEE’10, PAK KEIT, Karachi.
- WINNER All Pakistan Speed Wiring Competition NASTEC’09, NUST, Islamabad.
- Tennis champion at college level.

FINAL YEAR PROJECT:
Post Impact Path Predictor embedded system using openCV on OK6410 ARM Architecture

SEMESTER PROJECTS:

1. Currently working on Post Impact Path Prediction using GPU and DSPkits as my FYP.
2. Development of Inverter (DC to AC) using IGBT’s and PIC microcontroller by generating SPWM.
3. Cruise control implementation using PID controller.
4. Unmanned Speed Surveillance and Ticketing System (Hardware Project) using Microcontroller 8051 (AT89S51)-4th Semester.

TECHNICAL SKILLS:

- Good in languages like Visual C++, Keil, Verilog, Masm, Assembly languages (8051, 8086 & PIC). Worked on Allen Bradley’s (PLC) during internship and learnt about them.
- Good with hardware, controller circuits including prototyping designing soldering etc.
- Proficient in softwares like MATLAB, Proteus, Modelsim, Orcad, AutoCAD.
- Efficient in debugging and providing design/programming proposals
SYED ZAIN UL ABIDEEN ALI

OBJECTIVE
I am eager to work for an organization that provides me an opportunity of research and development. I want to acquire new skills and apply them for the progress of my beloved country. I consider myself competent and confident candidate for a position requiring challenge, commitment and responsibility.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
   BE in Electrical Engineering  CGPA: 3.18
2006-2008 Hamza Army Public College, Rawalpindi, Pakistan
   HSSC (Pre-Engineering)  937/1100
2001-2003 Army Public School & College, Karachi, Pakistan
   SSC (Science)  929/1050

EXPERIENCE
1. 6 weeks Internship at Schlumberger, Islamabad
2. 4 weeks Internship at Civil Aviation Authority, Islamabad
3. 6 weeks Internship at NESPAK, Islamabad
4. 6 weeks Internship at Electromech, Islamabad

AWARDS AND ACHIEVEMENTS
1. 106th Merit position in NUST entrance test
2. Army Wards Scholarship

FINAL YEAR PROJECT
Pulse Modulator Assembly of Oil Well Drilling
   • Pulse Modulation in Fluid Columns using Position PID control.
   • Complete mechanical and electrical design of the modulator assembly.

SEMESTER PROJECTS
1. Created a Remote Controlled Submarine using 8051 microcontroller and RF module.
2. Built data encryption software and a thesaurus using C++ language.

TECHNICAL SKILLS
1. Working knowledge of programming language C++, Assembly, Matlab and Verilog.
2. Working knowledge of engineering software Proteus, Pspice, MPLab, Xilinx, Multisim,

EXTRACURRICULAR ACTIVITIES
Playing football and board games, book reading, listening to music and watching sports.

REFERENCES: Can be furnished on demand.
OBJECTIVE

Looking for a post as an Electrical Engineer as it will be an excellent platform for me to grow with the organization; not just as a professional but also as an individual, be mentored by the best, be valued and in return contribute significantly to the organization’s objectives everyday through sheer hard work and dedication.

EDUCATION

2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
BE (Electrical Engineering) CGPA: 3.15/4.00
2006-2008 HSSC (Pre-Engineering) 82% (A+)
2004-2006 SSC (Science) 87.5%(A+)

AWARDS AND ACHIEVEMENTS

- Got merit based scholarship from NUST in first semester
- Got full fee waiver and scholarship of PKR 2000(PM) in FSc.
- Stood first in Matriculation in all branches of my school.

FINAL YEAR PROJECT

Design, Implementation and Fabrication of Multiple agent Intelligent Electro-Mechanical Systems (MIEMS) for Robocup SSL (Small Size League)

SEMESTER PROJECTS

- Design of a wireless Device & controlled it through Computer
- Control of a self balancing inverted Pendulum
- Design and implementation of an automated Security System, Implementation of Master-Slave Concept on PIC microcontrollers via wireless medium and performing Multitasking
- Design and Implementation of Inverter
- Design and Implementation of DC power supply
- Vehicle Tracking and Obstacle avoiding Robot.

TECHNICAL SKILLS

- Programming languages: Assembly, C/C++, VC++, Verilog HDL
- Applications: Proteus, Matlab/Simulink, AutoCAD, PSpice, NI MultiSim Electronic Workbench, FPGA Programming using Xilinx, Express PCB

EXTRACURRICULAR ACTIVITIES

- Working to establish evillage at Ali Pur Narash with my team.
- Volunteer at NUST Volunteer Club (NVC)
- Working in editorial board of Year Book of my batch.

REFERENCES can be provided on request.
OBJECTIVE
To work in a dynamic, challenging and growing environment pushing my technical and managerial skills to a limit while being productive to the organization.

EDUCATION
2008-2012 College of E & ME, NUST, Rawalpindi, Pakistan
BE Electrical Engineering CGPA: 3.97/4.00
2006-2008 F.G Sirsyed College, The Mall, Rawalpindi
HSSC (Pre-Engineering) 971/1100 (8th Position)
2004-2006 Islamabad Model College for Boys, Islamabad, Pakistan
SSC (Science) 933/1050 (1st Position)

EXPERIENCE
2. Internship in Well Services, Schlumberger June, 2010 – Aug, 2010
3. Internship in Business Unit, Infrastructure Solutions, Siemens, Islamabad Aug, 2010 – Sep, 2010

AWARDS AND ACHIEVEMENTS
1. Got seven successive Commandant’s Plaque of excellence on acquiring 4.0 GPA
2. Winner Unilever’s Lipton Talent Hunt 2011
3. Stood 3rd in F.G Sirsyed College earning distinctive Scholarship in Federal Board
4. Stood 6th among 40000 candidates in NUST Entry test earning full fee waiver
5. Got selected out of 14000 for the first batch of LUMS SSE getting full fee waiver

FINAL YEAR PROJECT
Remote Automation and Fabrication of 2 DOF Robotic Manipulator actuated by a HMD with integrated Laser Range Finder and IMU sensor for tele-robotic defense applications.

SEMESTER PROJECTS
1. Modeling Wireless Electric Car Control via Bluetooth Compatible PC (Atmel 8051)
2. GSM Based Security and Home Appliance Control System (PIC Microcontroller)
3. Feedback control of pendulum position actuated by motorized propeller

TECHNICAL SKILLS
1. MATLAB, PSPICE, AutoCAD, Orcad, Proteus, Simulink, Verilog, Xilinx & Multisim
2. Knowledge of Visual C++, Assembly Language, Keil, MPLAB
3. Design and fabrication of embedded systems and electronic feedback controllers

EXTRACURRICULAR ACTIVITIES
1. Won Unilever Lipton Talent Hunt 2011, IEEE CEME Membership, Deputy Director EME Olympiad 2010 Registrations and Promotions, Participated in GIKI Softcom
2. Enjoy movies, badminton, chess, music and cooking

REFERENCES Available on request
UZAIR SHARIF

OBJECTIVE
Looking for work in an organization where I can utilize my potentials and grow my professional and technical skills. I would like to prove to be functional and constructive for the organization.

EDUCATION
(2008-Present) College of E & ME, NUST, Rawalpindi, Pakistan
  BE (Electrical Engineering) \textbf{CGPA: 3.74}
(2006-2008) Islamabad Model College for Boys G-10/4, Islamabad, Pakistan
  HSSC (Pre-Engineering) \textbf{953/1100}
(2004-2006) Islamabad Model College for Boys F-10/3, Islamabad, Pakistan
  SSC (Science) \textbf{933/1050}

EXPERIENCE
1. Six weeks internship training at Comcept Pvt Ltd Pakistan in Summer 2011

AWARDS AND ACHIEVEMENTS
1. 14\textsuperscript{th} Merit position in NUST entrance test
2. GPA based NUST merit Scholarship in all semesters
3. Stood 36\textsuperscript{th} overall in F-Sc(Pre Engineering), FBISE

FINAL YEAR PROJECT
Designing a Real Time Signal-Processor for Pulsed Doppler Radar. Designed Signal Processor is able to extract the 3D location of the detected target.

SEMESTER PROJECTS
1. Implementing Snake game in C++. [2nd Sem]
2. Design and Control of ALU (Arithmetic Logic Unit). [3rd Sem]
3. PWM Fan Control based on temperature using INTEL 8051 μC [4th Sem]
4. MATLAB based signal processing of Speech/Audio signals.[4th Sem]
5. SMS Based ‘Vehicle Theft Detection’ using MICROCHIP PIC18f452 μC [5th Sem]
6. Speed Control and Position Control of DC Motor using PID controllers [6th Sem]
7. Hardware Implementation of 24V Sinusoidal Inverter. [7th Sem]
8. Performance evaluation of common digital modulation schemes like PSK,ASK,FSK over a simulated Rayleigh Fading Channel using in depth BER analysis using MATLAB [7\textsuperscript{th} Sem]

TECHNICAL SKILLS
1. Programming languages: C, C++, Matlab, Verilog HDL, Assembly Language
2. Adept in use of AutoCAD, PSpice, OrCad, ModelSim, Xilinx ISE, Proteus, MultiSim
3. PCB Designing using ExpressPCB.

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Computer Softwares.
2. Sports (Cricket, Football)
ZEESHAN KHALID

OBJECTIVE
Looking for work in an organization where I can utilize my potentials and grow my professional and technical skills. I would like to prove to be functional and constructive for the organization.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
   BS in Electrical Engineering   CGPA: 3.05
2006-2008   F.G. Sir Syed College, the Mall, Rawalpindi, Pakistan
   HSSC (Pre-Engineering)   906/1100
2004-2006   SLS High School for Boys Tulsa Road Lalazar, Rawalpindi, Pakistan
   SSC (Science)   867/1050

EXPERIENCE
1. Four weeks internship training at MIA Corporation PVT LTD I-9/3, Islamabad, Pakistan.

AWARDS AND ACHIEVEMENTS
1. 150TH Merit position in NUST entrance test
2. GPA based Scholarship in 3rd semester

FINAL YEAR PROJECT
1. Human detection and tracking on video feed from Sophie Site (Thermal Imaging Device) using OPEN-CV and its cross-compilation on Beagle Board-XM C4

SEMESTER PROJECTS
1. Tic-Tac-Toe game using 8051 micro-controller with enhanced AI level.
3. White line tracking robot (sensor and motor design).
4. Development of Splay trees algorithm and database based on algorithm (C++)
5. Speed Control on fan fitted motor operating on different speeds according to the temperature of surroundings (thermally active).
6. Successful designing of a power inverter (24 Volt D.C to A.C signal) using Power MOSFETS (IRF 530 & IRF 9530)

TECHNICAL SKILLS
1. Languages: C/C++, Mikro-C, Assembly, VERILOG, OPENCV, HTML
2. Applications: MATLAB, AutoCAD, Xilinx, Office, PSPICE, Visual Studio, NET BEANS

EXTRACURRICULAR ACTIVITIES
1. Table Tennis, Badminton, Online Gaming, Novels

REFERENCES
1. Dr. Shoaib A. Khan
OBJECTIVE
To gain hands on experience and skills by working in a professional and competitive environment

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan  
**BS in Electrical Engineering** CGPA: 3.50
2006-2008 Islamabad Model College for Boys G-10/4, Islamabad, Pakistan  
**HSSC (Pre-Engineering)** 941/1100
2004-2006 Islamabad Model College for Boys F-10/3, Islamabad, Pakistan  
**SSC (Science)** 949/1050

EXPERIENCE
Four Weeks Internship at Pakistan Telecommunications Mobile Limited (Ufone) in NSS Planning Department (Aug 2011)

AWARDS AND ACHIEVEMENTS
- 11th Merit Position in NUST Entry Test
- Awarded Commandant’s Plague of Excellence in the year 2009
- Merit Based Scholarships for securing 3.5+ GPA
- Member Department Football Team (Winner 2011-12 Season)
- Winner All Pakistan Speed Wiring Competition NASTEC’09, NUST, Islamabad
- RUNNER-UP All Pakistan Speed Wiring Competition SEE’10, PAF KEIT, Karachi
- Won various Debating Competitions at College level

FINAL YEAR PROJECT
Ball Tracker and Post Impact Path Predictor (A Computer Vision based project implemented using OpenCV and being transferred to Witech OK6410 development Kit)

SEMESTER PROJECTS
- Speed Control of DC Motor using PID (PIC 18f452 based)
- Inverter Design using PIC 18f452
- Matlab Implementation of T1 Communication System
- Unmanned Speed Checking and Ticketing System
- PICKit2 Programmer Clone

TECHNICAL SKILLS
- Programming languages: C/C++, VC++
- Applications: Matlab, OpenCV, MPLab, Linux

EXTRACURRICULAR ACTIVITIES
- Active in Sports like Cricket and Football
- A fan of reading; Novels, Blogs, Magazines, Articles
OBJECTIVE
Seeking employment with a company where my skills and experience will be an asset to the business while furthering my knowledge and abilities in the process.

EDUCATION
2009-2012 National University of Science and Technology (NUST), Pakistan
BE-Electrical Engineering CGPA 3.77/4

2006-2008 Army Public School And College,(APS&C) Rawalpindi
F.Sc (Pre-Engineering) 910/1100 82.72% A+

EXPERIENCE
NUST, College of Electrical and Mechanical Engineering (CEME) AUG 2011 – SEP 2011

1. Real-Time streaming and Processing of audio data on TMS320C6713 DSP processor, Implementation of speech synthesis and speech recognition algorithms.

AWARDS AND ACHIEVEMENTS
2. Merit Scholarship from NUST in all semesters (2008-2012)
3. Honors certificate for academic excellence at SSC and HSSC level
4. Appointment holder of the university (Junior Girl Scholar- JGS) (2010-2011)
5. Appointment holder of the university (Senior Girl Scholar- SGS) (2011-2012)

FINAL YEAR PROJECT
Autonomous Navigation, Static and Dynamic Obstacle tracking and avoidance, using Stereo Vision with implementation on Digital Signal Processors.

SEMESTER PROJECTS
1. Design of a Signal Processor for a Pulse Doppler Radar System
2. Design and implementation of a DC-AC inverter
3. Design and Implementation of Industrial and Home Automation System through Wireless Communication using PIC microcontroller

TECHNICAL SKILLS
1. Programming languages: C++, Assembly language, VERILOG
2. Applications: MATLAB, MPLABIDE, ISE Xilinx, AutoCAD, ModelSIM, ORCAD, LASI, Agilent(ADS), CodeComposerStudio CCS, Adobe Photoshop, Adobe After Effects

EXTRACURRICULAR ACTIVITIES
1. Member of College Cricket Team
2. Active member of the organizing committee of EME Olympiad 2010.

REFERENCES
Available on request
OBJECTIVE
To get familiarized with professional experience in engineering fields as an engineering trainee and achieve personal goals embodied in organizational goals

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering) CGPA: 2.75
2007- Saint Mary’s Academy, Rawalpindi, Pakistan
(A-level (Pre-Engineering)) Equivalent: 840/1100
2005- Spring Field Public School, Rawalpindi, Pakistan
(O-Level (Science)) Equivalent: 920/1050

EXPERIENCE
1. May, 2012- Present Internship EME-NUST, Research Engineer, NOC, Embedded Systems Lab
2. July, 2011-Oct,2011 Internship in Global Marketing Company, Rawalpindi as an IT and HR intern for 12 weeks, Internship in PTCL in the NOC Department as the Networking internee

FINAL YEAR PROJECT
FYP in dsPIC33F Kit, to make a Communication link, Using G.711 u-law Encoding techniques, and utilizing the Exploere 6, DsPIC kit as the Embedded System.

SEMESTER PROJECTS
1. Pulse Radar Design in Radars, with the help of Matlab
2. FM, AM, PM, Modulation in Communication Systems Engineering
3. UPS in Power Electronics with the help of Thyristors
4. Line Tracking via PID Error Control in Controls and Systems Engineering
5. Address Book in C++ with search operations
6. Search Functions with Red-Black Trees in C++ using Data structures
7. DC Power Supply of 5 Volts rating designed and implemented on Breadboard in Electronics
8. Propeller Clock with 8051 Microcontroller with the help of programming in Assembly Language
9. RFID Card Reader with PIC Microcontroller and RLC filters, and AM

REFERENCES
Dr. Bilal Malik, HOD (Electrical Department), CEME-NUST
Contact Info: 03009549354
OBJECTIVE
Seeking an opportunity to get familiar with professional environment and to add value by contributing my experience and achieving personal goals embodied in organizational goals

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan
(BE in Electrical Engineering)  CGPA: 3.5
2008- Fazaia Inter College, Lahore
(HSSC (Pre-Engineering))  971/1100
2006- Pakistan Education Centre, Doha, Qatar
(SSC (Science))  942/1050

EXPERIENCE
1. Implemented Master Slave Concept and interfaced an audio IC to AVR, and sending encoded data to the clients side over the LAN, SEECS, NUST, H-12, Islamabad
2. Android Application Development course, Kophes, Tiple-I Islamabad

AWARDS AND ACHIEVEMENTS
1. Gold and silver Medal Achiever
2. OPF Merit Scholarship (2008-2011)
3. NUST, OPF merit Scholarship

FINAL YEAR PROJECT
Autonomous Navigation, Obstacle tracking and avoidance using Stereo Vision with implementation on Digital Signal Processors. (Beagle Board with Embedded Linux)

SEMESTER PROJECTS
1. Design and Implementation of Industrial and Home Automation System through Wireless Communication using PIC microcontroller
2. Design and implementation of a DC-AC inverter
3. Design of a Signal Processor for a Pulse Doppler Radar System
4. Design of a Microstrip Directive Coupler using ADS
5. Implemented an obstacle avoiding robot by using 8051 interfaced with IR Sensors

TECHNICAL SKILLS
1. Programming languages: C, C++, Assembly language, VERILOG, Java (basic)

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Sports (Badminton, Cricket, Chess)
2. Good artistic skills, Logo designing, graphic editing

REFERENCES
Available on request
QANDEEL FAZAL

OBJECTIVE
Acquiring professional and technical expertise in the Engineering Sector. Seeking a job where I can apply my skills and loyalty in exchange for career guidance, training and opportunity for advancement.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering) CGPA: 3.64
2007-2008 Army Public School and College, Humayun Rd, Rwp, Pak
(HSSC (Pre-Engineering)) 977/1100
2005-2006 Army Public School and College, Humayun Rd, Rwp, Pak
(SSC (Science)) 943/1050

EXPERIENCE
1. Pakistan Telecommunication CO., Islamabad Branch, Internship, Jul-Aug 2010
   Worked in International Gateway Exchange-III at and learnt basic setup of PTCL fixed telephone network, switching system and connections

AWARDS AND ACHIEVEMENTS
1. Merit 15 in entrance test exam for NUST
2. Won Lipton Talent Hunt 2011 for Engineering phase

FINAL YEAR PROJECT
Design of real-time robotic sound source localization module

SEMESTER PROJECTS
1. Energy efficient solar power search and retrieval module modelled using PIC 18f452 microcontroller
2. Design of pulsed Doppler radar detection system in MATLAB
3. Design of DC to AC inverter
4. Pseudo Compiler in C ++ using Data structures
5. Design of Distance Maintaining Mobile Module using PID controller

TECHNICAL SKILLS
1. HARDWARE: FPGA, DSK, PIC, 8051
2. SOFTWARE: MATLAB, Multisim,Orcad,Proteus,ADS,Modelsim,Xilinx
3. LANGUAGES: C,C++,C#,Verilog,Assembly

EXTRACURRICULAR ACTIVITIES
1. Cricket
2. English Fiction
3. Naat Khawani

REFERENCES
Available upon request
Rabiya Mansour

OBJECTIVE To get a hands-on experience in engineering field

EDUCATION

- 2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
  (BS in Electrical Engineering) CGPA: 2.8
- 2008-Bahria College Islamabad, Pakistan
  (HSSC (Pre-Engineering)) 912/1100
- 2006- Bahria College Islamabad, Pakistan
  (SSC (Science)) 945/1050

EXPERIENCE

1. Tesla Pvt Ltd, Islamabad
2. RIMMS NUST (H-12), Islamabad

AWARDS AND ACHIEVEMENTS

1. Got scholarship in NUST for 6 months for getting
2. Distinction in SSC and HSSC Examination.

FINAL YEAR PROJECT

Smart Antenna Design for dynamic tracking of active targets, 2D beam forming and tracking, improving communication with fast moving targets (Missile UAV)

SEMESTER PROJECTS

1. Designed a GSM dipole antenna and coplanar waveguide antenna.
2. Designed a coupler and fabricated it.
4. Design and implementation of line tracking robot using PID controller.
5. Design and implementation of full bridge converter.
6. Design of pulse doppler radar system in MATLAB.
7. Metal detector using PIC 18F452 microcontroller

TECHNICAL SKILLS

1. MATLAB
2. HFSS
3. CST
4. C++
5. Verilog
6. PSPICE

EXTRACURRICULAR ACTIVITIES

Playing Netball, designing Antennas and watching TV

REFERENCE

Reference will be provided on request
Sania Irfan

OBJECTIVE
To apply theoretical knowledge to practical situation along with all my capabilities and experience and in return would expect a challenging experience at a reputable organization.

EDUCATION
2006 – 2008 HSSC- Army Public College D.I.Khan [ 943/1100]
2004 – 2006 SSC - Army Public School Bahawalpur [ 966/1050]

EXPERIENCE
1. 2011 (Jun-Aug) Ufone, BSS Planning Department
2. 2010(Jun-Aug) NUST, SEECS Research project, Voice Encryption for HSSD

AWARDS AND ACHIEVEMENTS
1. NUST admission scholarship for top 10 % merit positions
2. NUST semester scholarship (for 3.5+ GPA) in 1st, 2nd, 4th, 5th semester
3. Monthly W&R directorate scholarship for NUST

FINAL YEAR PROJECT
Real Time Robotic Sound Source Localization and Camera Steering

SEMESTER PROJECTS
1. Design of a Pulse Doppler Radar Receiver, with CFAR thresholding.
2. PID controlled distance and line maintaining mobile module.
4. Design of a Microstrip Backward Coupler using ADS
5. Pseudo Compiler built during Data Structures course
6. PC remote control operation through infrared decoding using 8051 microcontroller

TECHNICAL SKILLS
1. HARDWARE: FPGA/DSK/PIC/8051
2. SOFTWARE: MATLAB/Multisim/Orcad/Proteus/ADS/Modelsim
3. LANGUAGES: C/C++/C#/Verilog/Assembly/GWBasic

EXTRACURRICULAR ACTIVITIES
1. Director PRESS CLUB at EME Olympiad 2010
2. Deputy director social events EME Olympiad 2010
3. Member of Nust Volunteer's Club
4. Editor of the university magazine “Campbuzz”
5. Member of the organizing committee NERC 2009 and 2010

REFERENCES
Available on Request
Zunaira Maryam

OBJECTIVE
To apply knowledge and skills to contribute towards collective growth and progress in a professional environment

EDUCATION
- 2008-Present College of E & ME, NUST, Rawalpindi, Pakistan (BE in Electrical Engineering) CGPA: 3.91
- 2008- Army Public School and College Sargodha Cantt, Pakistan (HSSC (Pre-Engineering)) 1007/1100
- 2006- Army Public School and College Sargodha Cantt, Pakistan (SSC (Science)) 985/1050

EXPERIENCE
1. Microwave Component Design Internee at GSR Lab EME NUST

AWARDS AND ACHIEVEMENTS
1. Commandant EME Plaque of Honor in all semesters
2. Gold medal and Merit scholarship from FBISE
3. Star Award for excellent academic and extracurricular record-presented by South Asia Publications (SAP)-A Human Resource Organization
4. Nomination for Presidential Award “Aizaz-e-Sabqat” to be presented

FINAL YEAR PROJECT
Through the Wall motion Detection using UWB Radar Frequency Setup

SEMESTER PROJECTS
1. Implemented a Differential Drive Obstacle Avoiding Robot using 8051 interfaced with IR sensors
2. Design and implementation of Line Tracking Robot using PID control using PIC microcontroller
3. Design of a Signal processor for Pulse Doppler Radar system
4. PIC microcontroller)-GSM based home and industrial automation. Designed Microstrip Directive Coupler in ADS Momentum software in Ka band

TECHNICAL SKILLS
1. Orcad Schematic Capture
2. Xilinx ModleSim (for Verilog ), Visual Basic Studios( C++),
3. ADS Ansoft Designer, Pro-E , HFSS for RF structure simulations

EXTRACURRICULAR ACTIVITIES
1. Member :
   a. IEEE CEME NUST Student Branch (2008-12)
   b. SPAL-Burraq-The Debating Club(2008-2011)

REFERENCES
Brig-Dr.Akhter Nawaz EME College NUST Tel:+92-51-9278042,email ammalik@cheme.nust.edu.pk
Ahmad Jamal

OBJECTIVE
To excel and inspire through demonstrated performance in a professional work environment proffering sincerity, loyalty and excellence.

EDUCATION
- 2008-Present College of E&ME, NUST, Rawalpindi, Pakistan
  (BS in Electrical Engineering) CGPA: 3.0
- 2008- Beaconhouse, Margalla Campus, Islamabad, Pakistan
  (A levels) 3A & 1B
- 2006- Faringdon Community College, Oxfordshire, England
  (GCSE UK) Equivalence: 83%

EXPERIENCE
1. Fauji Fertilizer Company Limited (FFC), Goth Machi
   Plant Site Instrumentation & Control Engineer, E&I Department
2. Embedded Systems Lab, NUST, Islamabad
   As Research Assistant, implemented FPGA based audio processing

AWARDS AND ACHIEVEMENTS
1. Certified Associate in PLC and SCADA (CAPS)
2. Reached Final Round of Unilever Lipton Talent Hunt 2011
3. Represented E&ME at GIKI Model United Nations 2011 (Honorary Delegate)

FINAL YEAR PROJECT
Automated Target Tracking System (ATTS) for Main Battle Tank (MBT)

SEMESTER PROJECTS
1. USB 2.0 Plug and Play motion sensing aircraft controller using 18f4550 at 48Mhz
2. Developed and successfully tested Quad Helicopter (optimal PID control system)
3. Represented College of E&ME at National Engineering Robotics Contest 2011
4. Implemented a software dictionary and Red black tree algorithm on C++
5. Fabricated DC power supply and implemented basic audio frequency amplifier

EXTRACURRICULAR ACTIVITIES
1. Founded and President of Student Bank Initiative (private club)
2. Installed and calibrated high end custom HD home theatre with streaming at40Mb/s
3. Spearheaded fund raising campaign for College renovation program in Swat

REFERENCES Available upon request
OBJECTIVE
To work in an organization where I can utilize my technical, management and leadership skills, and prove to be constructive and effective for the organization.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
   BS in Electrical Engineering                   CGPA: 3.41
2006-2008 Punjab College of IT, Rawalpindi, Pakistan
   HSSC (Pre-Engineering)                       920/1100

EXPERIENCE
1. Ten months internship at Heavy Industries Taxila, Pakistan.
2. Three weeks internship at COMCEPT, Islamabad, Pakistan.
3. IT Head of Society of Information&Communication Technology, for one year.
4. Executive Member of NUST Volunteers Club (NVC) EME Chapter.
5. Senior Member of Sports and Adventure Society (SAS), for over two years.
6. 8weeks internship at Pearl Continental Hotel, Engineering Department, Rawalpindi, Pakistan.

AWARDS AND ACHIEVEMENTS
1. Won Interdepartmental Football Tournament as Captain.
2. GPA based Scholarship in 3 semesters.
3. Editor of college magazine at school & college level.
4. Stood 2nd in BISERwp in FSc-II and got 50/50 in Pakistan studies.

FINAL YEAR PROJECT
1. T80-UD Tank Autoloader system designing.

SEMESTER PROJECTS
1. Epilepsy Detector for patients, using accelerometer. Successful on frog.
2. Obstacle avoider car, to avoid front&ground objects without falling off an edge.
3. Compared Frequency, Amplitude & Phase Shift keying on basis of BER&SNR, and implemented phase locked loop, using MATLAB.

TECHNICAL SKILLS
1. Programming languages: C++, VC++.

EXTRACURRICULAR ACTIVITIES
1. Sports (Football, Tennis, Table tennis, Swimming, Chess).
HOUSE NO: CB-141, Muslim Colony, Taxila Cantt, PAKISTAN  
PHONE+92334-5290597  
E-MAIL: farrukh_de30@yahoo.com  

Farrukh Hussain Sabir

OBJECTIVE  
To work in a position where my skills are utilized to the fullest extent

EDUCATION  
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan  
(BS in Electrical Engineering)  CGPA: 2.4  
2008- FG Sir Syed College, The Mall Rawalpindi, Pakistan  
(HSSC (Pre-Engineering))  840/1100  
2006- Government High School, HIT Taxila Cantt, Pakistan  
(SSC (Science))  861/1050

EXPERIENCE  
1. LCD firmware upgrade project for NEWHAVEN DISPLAY INTERNATIONAL (USA)
2. Design of an intelligent athlete’s trainer device for Excel Sports Performance Franchising International, LLC (USA)
3. 36 wire real time continuity tester project for Parque Digital Eletrônicos (Brazil).
4. Automatic temperature regulation system; firmware and hardware design for an automation company (Italy).
5. Design of DC Watt meter using PIC MCU
6. Design of digital balance FlexiForce pressure sensor interfacing with PIC16f877a
7. 8051 based Piano firmware upgrade project.
8. MATLAB Implementation of modulation and demodulation schemes used in communication system

FINAL YEAR PROJECT  
Design of Semiconductor curve tracer using PIC18f87j60 and MATLAB, a device used for plotting characteristic curves of semiconductor devices.

SEMESTER PROJECTS  
1. Control Systems: Design of PID controller for DC motor speed control  
2. Power Electronics: Design of a 24V DC to AC converter  
3. Communication Systems: Matlab coding and simulation of the T1 system  
4. PIC microcontroller: Boot-loader design using pic18f452  
5. FPGA: Coding of ALU using Verilog and implementation using SPARTAN3

TECHNICAL SKILLS  
MATLAB, Proteus, Xilinx, Keil, MPLAB, MikroC, C/C++, Assembly, i2c, SPI, RS232, Sony SIRC, Dallas one wire, Ethernet with High coding skills.

REFERENCES  
1. Curt Lagerstam, Engineering Manager at Newhaven Display International (USA). clagerstam@newhavendisplay.com  
2. Rodrigo, Managing Director at Parque Digital Eletrônicos (Brazil)
Haris Bin Khalid

OBJECTIVE
Looking for work in an organization where I can utilize my potentials and grow my professional and technical skills. I would like to prove to be functional and constructive for the organization.

EDUCATION
- **2008-Present** College of E & ME, NUST, Rawalpindi, Pakistan  
  BS in Electrical Engineering  
  CGPA: 2.49
- **2008-** Army Public School and College, Malir Cantt, Pakistan  
  HSSC (Pre-Engineering)  
  902/1100
- **2006-** Army Public School and College, Malir Cantt, Pakistan  
  SSC (Science)  
  937/1050

EXPERIENCE
Internship at Attock gas limited, 225 megawatt power plant, member of plant maintenance team and reported to electrical engineer.

AWARDS AND ACHIEVEMENTS
1. Got 650 merit position in NUST entry test out of 40,000 students that appeared that year
2. Declared best athlete in college for 2007

FINAL YEAR PROJECT
Human tracking system using IR cameras (Sophie sight) based on image processing techniques and classifiers.

SEMESTER PROJECTS
1. **Control Systems:** Design of PID controller for DC motor speed control
2. **Power Electronics:** Design of a 24V DC to AC converter
3. **Communication Systems:** Matlab coding and simulation of the T1 system
4. **PIC microcontroller:** Home security system using PIC18F452
5. **FPGA:** Coding of ALU using Verilog and implementation using SPARTAN3
6. **Data Structures:** Coding of Splay Trees using C++

TECHNICAL SKILLS
Proteus, Xilinx, Keil, MPLAB, MATLAB, ModelSim, Microsoft Visual Studio  
C, C++, Assembly

EXTRACURRICULAR ACTIVITIES
1. Squash, table tennis, tennis
2. Travelling

REFERENCES
1. Brig Shoaib A Khan, HOD Department of Computer Engineering, EME College Rawalpindi, Pakistan
2. Brig Naeem Azhar, lone commandant ordinance center Malir Cantt, Karachi Pakistan.
A.F.I.D RAWALPINDI CANTT, PAKISTAN
PHONE+92333-5251064
E-MAIL: pc_adeelzahid@yahoo.com

MUHAMMAD ADEEL ZAHID

OBJECTIVE

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering) CGPA: 2.39
2008- F.G sir Syed college the mall road Rawalpindi, Pakistan
(HSSC (Pre-Engineering)) 775/1100
2006- F.G boys high school R.A bazar Rawalpindi, Pakistan
(SSC (Science)) 649/850

FINAL YEAR PROJECT
DECTITION AND TRACKING OF AN OBJECT USING COMPTUER VISION AND IMAGE PROCESSING

SEMESTER PROJECTS

1. SECURITY ALARM SYSTEM
2. TEMPRATURE REGULATOR
3. DEVELOPMENT OF A PRAGRAMMER

EXTRACURRICULAR ACTIVITIES
1. SPORTS CRICKET ,FOOTBALL
Syed Ali Mazahir  
House # 380, River View Road, Bahria Town Phase-IV, Rawalpindi  
Phone: 0331-5168189  
Email: a_mazahir@hotmail.com  

OBJECTIVE  
To work in an organization that can provide me an environment where I can learn and apply my knowledge and practical skills effectively.  

EDUCATION  
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan  
(BS in Electrical Engineering)  
CGPA: 3.03  
2006-2008  F.G Sir Syed College, the Mall, Rawalpindi  
(HSSC (Pre-Engineering))  
826/1100  
2004-2006  Army Public School and College, Rawalpindi  
(SSC (Science))  
823/1050  

EXPERIENCE  
● 4 weeks internship at Fauji Fertilizer Company (Goth Machi)  
  ▪ Interned in the E&I Department and had a practical experience of field instrumentation, Yokogawa Distributive Control System and Honeywell Emergency Shutdown System  
● 6 weeks internship at PTCL (Islamabad)  
  ▪ Interned in Wireless Local Loop Dept and had practical experience of CDMA systems  

CERTIFICATIONS & WORKSHOPS:  
● Certified Associate of PLC and SCADA Systems by Buraq Integrated Solutions  
● Attended 1 week workshop on ‘Web Development on HTML & PHP’  

FINAL YEAR PROJECT:  
● Embedded Target Tracker on a Moving Platform: Working in collaboration with CARE to develop an algorithm for automatic object locking and tracking while at the same time implementing this mechanism for Al-Khalid Tanks of Pakistan Army using co-processing kit  

SEMESTER PROJECTS:  
● Built an Odometer using PIC Microcontroller with real time simulation in Matlab  
● Developed a Propeller Clock using 8051 Microcontroller  
● Implemented Splay Tree Algorithm using C++ Language  
● Developed a Quiz Maker program using File Handling (C++ Programming)  
● Interfaced a Brushless DC Motor using 8051 Microcontroller  
● Made a +5V DC Power Supply  

SKILLS:  
● Proficient in Visual C++, PSPICE, AutoCAD, Proteus, MATLAB, Wordpress  
● Microsoft Office (Word, Power Point, Excel)  
● Good communication and decision making skills  
● Fluent in spoken and written Urdu and English
Alina Abid Bhutta

OBJECTIVE	To get a hands-on experience in engineering field

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
    (BS in Electrical Engineering)        CGPA: 2.54
2008-Army Public College Pano-Aqil Cantt, Pakistan
    (HSSC (Pre-Engineering))            816/1100
2006- Hamza Army Public College Rawalpindi, Pakistan
    (SSC (Science))                           890/1050

EXPERIENCE
1. Internship On PLC’S and SCADA using Ladder Logic from Mechatronics Engineering Department, EME College NUST Rawalpindi

AWARDS AND ACHIEVEMENTS
1. A-1 grade in SSC Examination
2. Head Girl of college during FSC.

FINAL YEAR PROJECT
Smart Antenna Design for dynamic tracking of active targets, 2D beam forming and tracking, improving communication with fast moving targets (Missile UAV)

SEMESTER PROJECTS
1. Calendar and schedule teller C++.
2. Electronic Dictionary using Data Structures.
4. Design and implementation of line tracking robot using PID controller (Control Systems).
5. Design and implementation of full bridge converter (Power Electronics).
6. Design of Pulse Doppler Radar system in MATLAB.
7. Metal detector using PIC 18F452 microcontroller.
8. Design and implementation of RFID card reader (PIC Microcontroller).
9. Design and implementation of 5 volt power supply as a light weight and cost effective power source for Electronics Laboratories (Electronics).
10. Design of a four function calculator and number comparator in Proteus and successful implementation on hardware (Digital Logic Design).
11. Design and implementation of Persistence of vision of LED message display system(8051 Microcontroller).

TECHNICAL SKILLS
1. MATLAB
2. HFSS
3. Ladder Logic
4. C++
5. Verilog
6. PSPICE
7. SCADA
OBJECTIVE
To work in a highly professional and growing organization where my skills can be burnished and achieve personal goals embodied in organizational goals.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering)  CGPA: 2.60
2007-   Army Public School & College Chunian, Pakistan
(HSSC (Pre-Medical))                           868/1100
2008     Add Maths                           104/200
2005-   Fazaia Degree College Risalpur         943/1050

EXPERIENCE
• Summer internship at EME College in DSP

AWARDS AND ACHIEVEMENTS
• Star Award 2005
• A1 grade in matric

FINAL YEAR PROJECT
To develop a communication Link using DSPIC33f Explorer 16 Board and recovery of encrypted and compressed audio data.

SEMESTER PROJECTS
• Implemented PID Controller in distance maintaining mobile module
• Designed a high directivity coupler
• Designed a DC to AC inverter

TECHNICAL SKILLS
• MATLAB, Xilinx
• MPLAB, visual Studios for C++

EXTRACURRICULAR ACTIVITIES
• Debates
• Sports

REFERENCES
Available on request.
Shafaq Kausar

OBJECTIVE
Looking to gain experience and technical proficiency in the Engineering Sector.

EDUCATION
2008 – present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering) CGPA: 3.00
2006 – 2008 Army Public School Humayun Road Rawalpindi, Pakistan
(HSSC (Pre-Engineering)) grade A (80%)
2004 – 2006 Army Public School Westrigde Rawalpindi, Pakistan
(SSC (Science)) A1 grade (90%)

AWARDS AND ACHIEVEMENTS
- Research paper based on Final year project work.
- Distinction in SSC Examination

EXPERIENCE
Internee at Attock Oil Refinery, Rawalpindi proficiency
July 25, 2011 – September 4, 2011

FINAL YEAR PROJECT
Antenna system design for adoptive and switched beam forming with beam steering ability, for estimation of
direction of arrival, for Target tracking, for improving communication with fast moving unmanned targets, for
minimizing interference in communication systems by effectively suppressing interference, for jamming the
unwanted signal (from enemy) in case of close proximity with wanted signal

SEMIESTER PROJECTS
- Calendar and Schedule teller (C++)
- Electronic Dictionary using Data Structures (C++)
- Processing of Audio signals and Modulation/Demodulation (MATLAB)
- Design and implementation of a Persistence of vision LED message display system (8051 Microcontroller)
- Design and implementation of a RFID card reader (PIC Microcontroller)
- Design and implementation of 5 Volt power supply as a lightweight and cost effective power source for
Electronics laboratories (Electronics)
- Design of a four function Calculator and Number Comparator in Proteus and successful implementation
on hardware (Digital Logic Design)
- Design and implementation of a Light following robot, motion control using PID controller (Control
Systems)
- Design and Implementation of a Full Bridge Inverter (Power Electronics)
- Design of Pulse Doppler Radar system (MATLAB Programming)

TECHNICAL SKILLS
- Languages: MATLAB, System Verilog, Verilog, C++ and Assembly
- Applications: MATLAB&Simulink, Modelsim, Xilinx, Multisim, Proteus, MPLAB, VM Ware
Microsoft Visual C++, HFSS, ORCAD, ADS, PSPICE, AutoCAD, Keil (8051 Microcontroller),
Quanser Motor Control, Techlab, GW BASIC

EXTRACURRICULAR ACTIVITIES
- Organized three events “Sketch EME”, “Basketball” and “Social Events” in EME Olympiad 2010.
- Participated in GIKI Sports Competition 2008.

REFERENCES
Reference will be provided on request.
OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way..

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan  
(BS in Electrical Engineering)  CGPA: 2.8

EXPERIENCE
1. Eight weeks internship at MOL Pakistan Oil & Gas Co B V’s Central Processing Facility, Karak, Pakistan.

AWARDS AND ACHIEVEMENTS
1. Lawn Tennis
2. Body building
3. Declamation (participated in intra college declamation contest).
4. Adventure (Active member of Nust Adventure Club.)
5. Creative works (Junk art, T-shirt designing, etc.)
7. Teaching (Had been an instructor of physics, mathematics and chemistry in 2008, in Pearl Academy at Shahdara Town Lahore.
8. Reading

FINAL YEAR PROJECT
Design and Fabrication of double suction centrifugal pump.

SEMESTER PROJECTS
• Comparison of the role of refrigeration gases using EES.
• Design of Vehicle Suspension System.
• Calculation of Cooling load of College Gymnasium.

TECHNICAL SKILLS

2. General: Microsoft Office. Visual C++

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Debates Poetry & Reading.
2. Sports (Cricket, Hockey, Tennis, Table Tennis, Squash, Polo, Swimming)

REFERENCES
Asst Prof Akhtar Khurseed
OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering)  CGPA: 2.6
2006-08  CITY SCHOOL, LAHORE, Pakistan
4A,2B,2C IN O LEVELS.
2004-06  CITY SCHOOL, LAHORE, Pakistan
1A,2B IN A LEVELS.

EXPERIENCE
1. Eight weeks internship at MOL Pakistan Oil & Gas Company’s Central Processing Facility, Karak, Pakistan.

AWARDS AND ACHIEVEMENTS
1. 4A IN O LEVELS.

FINAL YEAR PROJECT
Design and fabrication of concentric parabolic collector
The primary objective was to design and fabricate a collector that could make use of the abundant sunshine available in Pakistan throughout the year. Software’s such as PRO E & SOLIDWORKS were used for designing while MATLAB and EES were used for Numerical Simulation.

SEMESTER PROJECTS
1. Development of cruise control system for a motorized miniature car using PIC microcontroller based PID controller.

TECHNICAL SKILLS
1. Programming languages: BASIC, VISUAL C++, 8051 ASSEMBLY, 8086 ASSEMBLY (Debugger & Masm), MATLAB, Open CV,
2. Applications: MS Office, Design lab PSPICE, Proteus, Masm615, Keil, AutoCAD, Advanced Design System (ADS), Xilinx, Visual Studio

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Debates Poetry & Reading.
2. Sports (Cricket, Hockey, Tennis, Table Tennis, Squash, Polo, Swimming)

REFERENCES
Col Prof Dr WAHEED
AHSAN ALI BAJWA

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, become one of finest managerial and technical experts.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Mechanical Engineering) CGPA: 3.10
2008- Superior Science College for Boys Gujranwala, Pakistan
(HSSC (Pre-Engineering)) 938/1100
2006- Govt. Comprehensive High School Gujranwala, Pakistan
(SSC (Science)) 920/1050

EXPERIENCE
1. Six weeks internship at Pakistan Petroleum Ltd rig and Processing Facility as Drilling Engineer and Mechanical Maintenance Engineer, Chachar, Pakistan.

AWARDS AND ACHIEVEMENTS
1. Appointed Senior NUST Student (SNS), Incharge of hostel with 115 students
2. Awarded Distinguished Student award from Mechanical Engineering Dept

FINAL YEAR PROJECT
Design, Analysis, Fabrication of Cooling Tower for Dynamometer in Engine Testing Lab

SEMESTER PROJECTS
1. Design and manufacturing of a Wind driven pump.
2. Mathematical modeling of diffuser in EES.
3. 3D modeling and analysis of a 1000cc I.C engine Shell Bearing using Solid Works 2010 software.
4. Designing of bracket supports for 1.5 ton split air conditioner.
5. Review paper on the topic of Electronic Brake System.
6. Design & fabrication of simple car steering system.

TECHNICAL SKILLS
1. Applications and Languages: Pro e, ANSYS, Matlab, Auto-CAD, MS Office, PSPICE, C++, EES, MD Solids

EXTRACURRICULAR ACTIVITIES
1. Worked at FM 93.5 as RJ(Radio Jockey)
2. Sports (Cricket, Table Tennis, Swimming)

REFERENCES
Col Prof Dr Amer Baqai
Anas Ellahi Khan

OBJECTIVE
To work with a dynamic organization and start my professional career. To work smart with dedication and intent to keep a balance between my private and professional life.

EDUCATION
- 2008-Present: College of E & ME, NUST, Rawalpindi, Pakistan (BS in Mechanical Engineering) CGPA: 3.16
- 2005 to 2007: University of winsome college, D I Khan (HSSC (Pre-Engineering)) 81.3%
- 2006-: University of winsome College, D I Khan (SSC (Pre-Engineering))

WORK EXPERIENCE
Worked in lucky cement as internee mechanical engineer from July 2011 to September 2011.

AWARDS AND ACHIEVEMENTS
1. Winner of Intra-board table-tennis championship for consecutive 4 years
2. Captain of college table-tennis team & college cricket team

FINAL YEAR PROJECT
Design and fabrication of Solar Powered Unmanned Aerial Vehicle (LASAR)

SEMESTER PROJECTS
1. Analyzed the potential for Power generation from Landfills in Pakistan
2. Presented a Review paper on design of IC engine bearings.

TECHNICAL SKILLS
- ProE: Modeling of thermocouple, Solar Powered UAV
- ANSYS: Analysis using Fluent, CFD and Static structural modules
- EES: Mathematical Modeling of Reheat Rankin Cycle

EXTRACURRICULAR ACTIVITIES
1. Attended many Workshops including one on Composite Material Designing Sports (Cricket, Hockey, Tennis, Table Tennis, Squash, Polo, Swimming)

REFERENCES
Asst. Professor Saif ullah Khalid
OBJECTIVE
Looking to work in an organization where I can utilize my potential and grow my professional and technical skills. I would like to prove to be functional and constructive for the organization.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan  (BS in Mechanical Engineering)  CGPA: 3.22
2007-   Punjab College of Commerce, Gujranwala, Pakistan  (HSSC (Pre-Engineering))  857/1100
2005-   Govt. H/S Wachoke-Kalan, Hafizabad, Pakistan  (SSC (Science))  716/850

EXPERIENCE
1.  Four weeks internship at DESCON Engineering Limited, Lahore Pakistan.

AWARDS AND ACHIEVEMENTS
1-  Got 2nd Position for the university team in DBFC-6, GIK Institute April 2011
3-  Got Full Fee Concession scholarship in F.Sc. from Punjab college Gujranwala on merit basis.

FINAL YEAR PROJECT
Numerical and Experimental Investigation of Unconventional Propulsive System for underwater vehicle.

SEMESTER PROJECTS
1-  Modeling of a mechanical jigs and fixtures on Pro-E Software.(8th semester)
2-  Analytical study of smooth terrain vehicle wheel and tires. (7th semester)
3-  Design and Fabrication of RC plane for Design, Build and Fly Contest (DBFC-6), GIK Institute, April 2011.
4-  Estimation of cooling load and cooling load reduction techniques for a room.
5-  CAD Modeling of fuel injectors used in various automobiles using Pro-E software.(4th semester)
6-  CAD Modeling and Fabrication of a Mini Mobile Boom Crane capable of performing four basic crane operations.

TECHNICAL SKILLS
1-  Modeling Tools : AutoCAD, Pro-E, Solid Works, Codeware’s COMPRESS
2-  Analysis Tools: ANSYS, Matlab
3-  Simulation Tools: Visual CAM Script

EXTRACURRICULAR ACTIVITIES
1-  Trekking
2-  Travelling and discovering new places and people
3-  Listening Music

REFERENCES
Col Prof Dr Waheedul Haq
OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan  
(BS in Mechanical Engineering)  CGPA: 2.95
2008-   Beaconhouse Islamabad, Pakistan  
(GCE A-Levels)    3As, 1B
2006-   Roots Montessori & High School Rawalpindi, Pakistan  
(GCE O-Levels)     7As, 1B

EXPERIENCE
1. 4 week internship at Attock Refinery Limited (ARL) from July to August 2012.
2. Safety policy compliance assessment project for ARL during my internship.

AWARDS AND ACHIEVEMENTS
1. 2nd place in All Pakistan Parliamentary Cup, NUST 2010

FINAL YEAR PROJECT
Conversions of weft insertion mechanism of Shuttle power loom into Rapier power loom

SEMESTER PROJECTS
1. Fabrication of a golf cart
2. Fabrication of a hand pump.
3. Calculation of cooling loads for various work spaces on campus.
4. A study of power production from sewerage.
5. Design of a control system for a greenhouse.

TECHNICAL SKILLS
1. Attended on campus workshops for Lathe, Forging, Metal works, Welding
2. AutoCAD, Mat Lab, Pro E, C++, Ansys, P spice, Proteas, Office and PowerPoint, E.E.S

EXTRACURRICULAR ACTIVITIES
Football, Basketball, Rugby

REFERENCES
Asst. Prof Akhtar Khurshid
OBJECTIVE
As a Mechanical Engineer, I would like to implement my technical competence in some well reputed organization so as to pursue a bright career. Moreover to expand my mental aptitude and professional skills by working in teams and with some experienced people. Discipline, Efficiency Inter-personal skills, Trust and loyalty to my organization are the foundations for having a bright professional career.

EDUCATION
2008-Present College of EME, NUST, Rawalpindi Pakistan
(BE in Mechanical Engineering) CGPA:2.5
(HSSC (Pre-Engineering)) 835/1100
2002-2004 Siddeeq Public School,6th road Rawalpindi.
(SSC (Science)) 707/850

AWARDS & ACHIEVEMENTS
1. Vice President e-Gaming Department of Sports & Adventure Society, EME.
2. Management: Organized and managed biggest e-Gaming tournament of Rwp/Isb Region (HammerFall) 2011 NUST EME OLYMPIAD which had a participation of around 250.

FINAL YEAR PROJECT
1. Modeling and Simulation of a Tilting Three Wheel Vehicle

SEMESTER PROJECTS
1. Design of Machine Elements: Design and Fabrication of the mountings of the rear suspension system.
2. Theory of Machines: Designed and manufactured rhino leg mechanism.
4. Installation of CPC for Tobacco Curing in PTC (In progress)

TECHNICAL SKILLS
1. Software Skill’s: MS Office, EES, Inventor, Pro-E (Learning stage), Ansys (LS), Matlab,Proteus.

EXTRACURRICULAR ACTIVITIES
1. Keen interest in learning new software.
2. Playing Cricket, Basket Ball and E-Gaming Tournaments at different universities.

REFERENCES
A/Prof.Raja Amer Azim
Bilal Waseem

Objective:
Looking for an excellent opportunity to work in a challenging and competitive environment where I can contribute towards the success of the organization through my technical, analytical and managerial skills.

Education:

- **2008-2012** College of Electrical and Mechanical Engineering, NUST
  BE Mechanical Engineering (8th semester)  CGPA: 3.45/4.0
- **2006-2008** Divisional Public School and Inter College, Sahiwal
  Intermediate (HSSC)  Marks obtained: 971/1100 (88.2 %)
- **2004-2006** Divisional Public School and Inter College, Sahiwal
  Matriculation (SSC)  Marks obtained: 963/1050 (91.7 %)

Awards and Achievements:

- Three time recipient of ‘High Achievers’ Scholarship’ at College of Electrical and Mechanical Engineering, NUST
- Awarded scholarship from Multan Board at Matriculation level
- Participated in ‘All Pakistan Debate Competition 2007’ held at Chenab College Jhang

Final Year Project:
Detailed study of gasification process and development and analysis of a biomass gasifier

Semester Projects:

- **IC Engines**: Thermal analysis of piston oil rings of an IC engine using Pro Engineer software
- **Air Conditioning and Refrigeration**: Calculation of cooling load of ‘MTS Arena’
- **Mechanics of Materials**: Design of 40 litre capacity CNG cylinder which has 20% less weight as compared to the existing design
- **Design of Machine Elements**: Design of front axle of a transport vehicle for campus use

Technical Skills:

- Pro Engineer, SolidWorks, AutoCAD, MATLAB, EES, MS Office (Word, Excel, PowerPoint)

Extracurricular Activities:

- Tennis
- Badminton
OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering)  CGPA: 3.41
2006-2008  Islamabad Model College for Boys,G-10/4,Islamabad
(HSSC (Pre-Engineering))  843/1100
2004-2006  Fazaia Intermediate College, E-9,Islamabad
(SSC (Science))  866/1050

EXPERIENCE
1. 6 weeks internship in maintenance department, (Aug-Sep ’11)
2. 6 week paid internship in Supply Chain Departmentat PTC, AkoraKhattak, (Jul-Aug ’10)
3.  2 weeks attachment in Cementing Department at Islamabad, (Jul ’10)

AWARDS AND ACHIEVEMENTS
• Selected for United States Education Education Fund student exchange program in USA
• Commandants garden party invitee
• Three times recipient of Chief of the air staff gold medal

FINAL YEAR PROJECT
Design of Low Cost Surface Water Wheel (Micro Hydro Turbine) for Electric Power Generation on Khanpur Islamabad Link Canal

SEMESTER PROJECTS
• Fabrication of a light intensity meter using LDR.
• Fabrication of a passenger car for use in the campus (Group Project)
• Modelling of an ideal regenerative ranking cycle used in steam power plants using EES
• Modelling of Electronic Stability Program (ESP) for a car on MATLAB
• Analysis of Piston Skirt and its implications on heat removal using ProE
• Stress analysis on LCD TV brackets
• Aerodynamic analysis of a solar car body using SolidWorks Flow Simulation

TECHNICAL SKILLS
1. Programming languages: BASIC, VISUAL C++, MATLAB.

REFERENCES
Dr. Col. Waheed ul Haq
8 Abdul Rehman Road
Lahore, Pakistan
Mobile # +923224525834
Telephone # +4236676390
Email: aslam_emad@yahoo.com

EmadAslam
Mechanical Engineer

Objective
I am seeking a position in your company to establish and grow my career as a professional and play my part in the growth of your company.

Education
2008 to 2012  Bachelors in Mechanical Engineering  CGPA: 3.13
College of Electric and Mechanical Engineering, NUST

2005 to 2007  A-levels  Aitchison College, Lahore

2003 to 2005  O-Levels  Aitchison College, Lahore

Work Experience
Worked in AMCO Tiles as internee mechanical engineer from July 2011 to September 2011

Final Year Project
Parametric study of vehicle dynamics and improving four wheeled vehicle stability and yaw control.

Semester Projects
1. Developed GUI for calculating entropy generation for steel bearing from foundry using EES (Engineering Equation Solver)
2. Based on structural analysis designed wall mount of 48” LCD TV
3. Presented a Review paper on vehicle impact analysis
4. Manufactured a Planetary gear system for precise manufacturing project
5. Analyzed the potential for Power generation from Landfills in Pakistan

Awards & Achievements
1. Captain of College Swimming Team
2. Member Parliamentary style debates
3. Member of college cricket, hockey and athletics teams
4. Organizer EME Olympiad 2010

Personal Skills
Pro-E Modeling of Planetary Gear Train
Matlab Coding for vehicle dynamics control
EES Mathematical Modeling of Brayton Cycle

Extracurricular Activities
• Attended many Workshops including one on Composite Material Designing
• Sports particularly hockey and Cricket
Faeez Ahmad

OBJECTIVE
To work in an organization that refines my professional skills and also to contribute positively towards the objectives of the firm to the best of my capabilities.

EDUCATION
- 2008-Present: College of E & ME, NUST, Rawalpindi, Pakistan (BS in Mechanical Engineering) CGPA: 3.11
- 2008-: Beacon House School System, Lahore, Pakistan (GCE ADVANCE LEVEL) 2A’s, 2B’s

EXPERIENCE
1. Six weeks internship at IKAN Engineering Services, Multan Road, Lahore.

AWARDS AND ACHIEVEMENTS
1. Received scholarship based on high academic achievement in NUST
2. Received an award for extraordinary performance in academics from the Department of Mechanical Engineering
3. Received scholarship based on academic performance in Advanced Level

FINAL YEAR PROJECT
Modeling of elastic structural response of 1.2 MW wind turbine blade.

SEMESTER PROJECTS
1. Exergy analysis and Second law efficiency of steam in piston cylinder assembly.
2. Thermal Analysis of Valve seats of an 800cc engine
3. Design and manufacturing of transmission system of a Go-cart

TECHNICAL SKILLS
1. Pro-E 5.0
2. Solid Works
3. AutoCAD
4. EES
5. MATLAB

EXTRACURRICULAR ACTIVITIES
1. Music
2. Travelling
3. Swimming

REFERENCES
Col Prof Dr Waheed Ul Haq
Faisal Iftikhar Malik

OBJECTIVE
Develop my technical insight & professionalism in accordance with the latest demands of the organizations to be a productive employee at work

EDUCATION
2008-2012 College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering) CGPA: 2.97
2008 Resource Academia Senior School, Hussain Chowk, Lahore
A-Levels 3 Bs, 84%
2006 Beaconhouse School System, Sargodha
O levels 5 As, 3Bs, 90.9%

EXPERIENCE
1. 6 Weeks Internship at Fauji Fertilizer Company, Goth Machi, Sind
2. 6 Weeks Internship at DESCON, 225 MW Power Plant, Bhikki.

AWARDS AND ACHIEVEMENTS
1. 230 Merit position in NUST entrance test
2. Merit scholarship in A levels throughout.

FINAL YEAR PROJECT
Parametric Study of Vehicle Dynamics and using it to improve four wheel ground vehicle’s Yaw Control and stability. Manufacturing and integration of a controller for its implementation on a four wheel ground vehicle.

SEMESTER PROJECTS
1. Fabrication of Rack and pinion steering system with turning indication (Manufacturing Processes Project)
2. Design and fabrication of 6 seater cart for shuttle service in College of E&ME
3. Design and fabrication of hybrid car for Shell Eco Marathon Asia, Malaysia 2011.

TECHNICAL SKILLS
Pro/ENGINEER, ANSYS, Engineering Equation Solver, MS Excel, MATLAB

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Debates Poetry & Reading.
2. Sports (Cricket, Hockey, Tennis, Table Tennis, Squash, Polo, Swimming)

REFERENCES
Asst. Professor Raja Amer Azeem (Department of Mechanical Engineering at College of E&ME)
Objective:
Looking for an excellent opportunity to work in a challenging and competitive environment where I can contribute towards the success of the organization through my technical, analytical and managerial skills.

Education:

- **2008-2012** College of Electrical and Mechanical Engineering, NUST
  BE Mechanical Engineering  
  CGPA: **2.61/4.0**
- **2006-2008** GCU Lahore
  Intermediate (HSSC)  
  Marks obtained: **953/1100**
- **2004-2006** Government H/S School waliPurbura
  Matriculation (SSC)  
  Marks obtained: **938/1050**

Awards and Achievements:

- Awarded scholarship from Lahore Board at Matriculation level
- Participated in ‘All Pakistan Debate Competition 2007’ held at GCU Lahore

**Final Year Project:** Energy harvesting by using VIV (vortex induced vibrations) for MEMS applications

**Semester Projects:**

1. Calculation of heating loads for different specified areas
2. Fabrication and complete analysis of Oil Field Pump using Working Model.
3. Energy analysis & 2nd law efficiency of steam in piston cylinder assembly using EES.
4. Wrote a review paper on the effects of variable geometry turbocharger on diesel engine.
5. Comparison of “Simple Rankine Cycle” with “Rankine Cycle with Multiple Feed Water Heaters”.
7. Worked on the production of diesel from catalytic depolymerization.
8. Design & fabrication of a golf cart

**Technical Skills:**

- Pro Engineer, SolidWorks, AutoCAD, MATLAB, EES, MS Office (Word, Excel, PowerPoint)

**Co curricular Activities**

- Badminton
- Appointed as college **JNS (deputy head boy)**, in the junior year at EME College (NUST)
- **Director HR** for the first ever EME Olympiad, held in 2011
Faisal Masud

OBJECTIVE
To be one stop shop for all sort of technical problems and challenges including design, manufacturing and product development.

EDUCATION
2008-2012 College of E & ME, NUST, Rawalpindi, Pakistan
(BS Mechanical Engineering) cGPA: 3.06 (7 Semesters)
2006-2008 FG Sirsyed College, The Mall, Rawalpindi
HSSC (Pre-Engineering) Marks:9571100
2001-2006 Siddeeq Public School, 6th Road, Satellite Town, Rawalpindi
SSC (Sciences Group) Marks: 937/1050

EXPERIENCE
  o Project: Gap assessment and implementation of Inspection Procedures in PMD and SMD
• Maintenance Intern at Lafarge Pakistan Cement, Kallar Kahar, Chakwal (July 2010 – Aug 2010)

AWARDS & ACHIEVEMENTS
• School Topper in SSC-I Exams
• Distinction Holder in HSSC Annual Exams 2008
• One of the Five interns selected by Philip Morris International for Internship 2011

FINAL YEAR PROJECT
• Design & fabrication of material charging machine for Aluminum scrap melting furnace

SEMESTER PROJECTS
• Design & fabrication of 6-seater vehicle for use in shuttle service inside College of E&ME (Design of Machine Elements)
• Design and fabrication of urban-hybrid vehicle for Shell Eco Marathon Asia 2011, Malaysia
• Design of flow measuring transducer (Instrumentation & Measurement)
• Fabrication of Beam Engine (Theory of Machines)

TECHNICAL SKILLS
SolidWorks, Pro/ENGINEER, MATLAB, CFDesign, MS Office, MATLAB, EEs
Gull Feroz

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way..

EDUCATION
- 2008-Present College of E & ME, NUST, Rawalpindi, Pakistan (BS in Electrical Engineering) CGPA: 2.3
- 2008- Punjab College Of science, Gujranwala, Pakistan (HSSC (Pre-Engineering) 760/1100
- 2006- Sir Syed Pilot High School, Wazirabad, Pakistan (SSC (Science)) 890/1050

EXPERIENCE
1. Worked as an Internee at Royal fans, Gujrat, Pakistan.

AWARDS AND ACHIEVEMENTS
1. Head Prefect of School during matriculation..
2. Member of Society of Automotive Engineers.
3. Member of American Society of Mechanical Engineers ASME.
4. Member of the School and College Students Council.
5. Worked in school for the flood relief campaign, collected funds for the victims.
6. Full scholarship holder at college.
7. Got 34th merit position in NUST entry test.

FINAL YEAR PROJECT
Design and Fabrication of Mixed flow pump

SEMESTER PROJECTS
1. Designed a cruise control system.
2. Review paper on t-slot to avoid friction between piston and cylinder walls in IC Engines.
3. Manufacturing of a Rack and Pinion steering system.

TECHNICAL SKILLS
1. Programming languages: BASIC, VISUAL C++, MATLAB,
2. Applications: MS Office, Design lab PSPICE, Proteus, AutoCAD, Visual Studio

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Debates Poetry & Reading.
2. Sports (Cricket, Hockey, Tennis, Table Tennis, Squash, Polo, Swimming)

REFERENCES
Col Prof Dr Waheed-ul-Haq
Hafiz Muhammad Noman

OBJECTIVE
As a Mechanical Engineer, I would like to implement my technical competence in some well reputed organization so as to pursue a bright career. Moreover to expand my mental aptitude and professional skills by working in teams and with some experienced people. Discipline, Efficiency Inter-personal skills, Trust and loyalty to my organization are the foundations for having a bright professional career.

EDUCATION

<table>
<thead>
<tr>
<th>Year</th>
<th>Institution</th>
<th>Level</th>
<th>Description</th>
<th>CGPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008-</td>
<td>College of E &amp; ME, NUST, Rawalpindi</td>
<td>BS in Electrical Engineering</td>
<td>College of E &amp; ME, NUST, Rawalpindi, Pakistan</td>
<td>2.95</td>
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<tr>
<td>2008-</td>
<td>Punjab College Sargodha HSSC (Pre-Engineering)</td>
<td>HSSC (Pre-Engineering)</td>
<td>Punjab College Sargodha HSSC (Pre-Engineering)</td>
<td>860/1100</td>
</tr>
<tr>
<td>2006-</td>
<td>St.Mary’s High School Sargodha (SSC (Science))</td>
<td>SSC (Science)</td>
<td>St.Mary’s High School Sargodha (SSC (Science))</td>
<td>920/1050</td>
</tr>
</tbody>
</table>

EXPERIENCE
1. Internship at Packages LTD Lahore.
2. Internship at Millet Tractors LTD Lahore.

AWARDS AND ACHIEVEMENTS
2. Won English Debate Competition At District Level.
3. Won academic Quiz Competition at College Level.

FINAL YEAR PROJECT
Design, Development and Fabrication of Biomass Gasifier.

SEMESTER PROJECTS
1. Calculation of 2nd law efficiency and exergy destroyed when hot combustion gases pass through nozzle of turbojet engine
2. Study the design of oil rings in various automobiles, and analyze the design of Suzuki 800 cc engine oil rings and compare their design with a piston using two oil rings.

TECHNICAL SKILLS
1. Software Skill’s: MS Office, EES, Inventor, Pro-E (Learning stage), Ansys (LS), Matlab, MSC ADAMS, Proteus.

EXTRACURRICULAR ACTIVITIES
1. Keen interest in learning new software.
2. Playing Cricket, Table Tennis and Football.

REFERENCES
References will be given on request.
Hafiz Umair Saleem

OBJECTIVE
To obtain a position in a well reputed firm in order to nourish my technical as well as management skills so that I can have a strong foundation for the start of my professional career.

EDUCATION
- 2008-2012 College of E & ME, NUST, Rawalpindi, Pakistan (BS in Electrical Engineering) CGPA: 2.32
- 2005-2007 Government College of Science Faisalabad, Pakistan (HSSC (Pre-Engineering)) 900/1100
- 2003-2005 Anmol public high school Faisalabad, Pakistan (SSC (Science)) 920/1050

EXPERIENCE
1. Four weeks internship at Thermal Power station WAPDA, Faisalabad, Pakistan.

AWARDS AND ACHIEVEMENTS
1. 266 Merit position in NUST entrance test.
2. Head Prefect of school for 2 years.

FINAL YEAR PROJECT
Parametric study of vehicle dynamics and use it to improve 4-wheeled vehicle Yaw control and stability.

SEMESTER PROJECTS
1. Design and manufacturing of rack and pinion steering system.
2. Derivations of direct correlation for the efficiency of an ideal reheat Rankin cycle.
3. Design and development of a turbine flow meter.
4. Review paper on Compressed Air Vehicles.

TECHNICAL SKILLS
1. Have sound knowledge in fields of Thermodynamics, Automation, Fluid Mechanics, IC Engines, Power plants.
2. Applications: MS Office, Design lab PSPICE, Carsim, Pro-Engineer, Ansys, AutoCAD.

EXTRACURRICULAR ACTIVITIES
1. Keen interest in History & Book Reading.
2. Sports (Cricket, Football, Tennis, E-Gaming)
3. Member of EME and NUST Cricket team.

REFERENCES
Assistant Professor Raja Amer Azim
OBJECTIVE
To develop my career as Engineer that leads to further growth in my professional skills and personal satisfaction by utilizing my skills and ability to work for the growth of an organization

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Mechanical Engineering) CGPA: 2.85
2008- Resource Academia lahore, Pakistan
(A-levels) 3As, 1B (Further Mathematics)
2006- Beacon house school system lahore, Pakistan
(O-levels) 6As,3B

AWARDS AND ACHIEVEMENTS
1. 290 Merit position in NUST entrance test

FINAL YEAR PROJECT
Aerodynamic design and Modeling of elastic structural response of 1.2 MW wind turbine blades” using Finite Element software Abaqus 6.10

SEMESTER PROJECTS
1. Design and fabrication of Steering System for Series Hybrid Electric Vehicle for Shell Eco Marathon 2011
2. Review Paper on Hybrid Electric Vehicle Derive-Train Technology (Series, Parallel, Series-Parallel) and Regenerative Braking System (Electrical and Mechanical)
3. Mathematical Modeling of Ideal Rankine Cycle with closed feed-water heater and regeneration to predict the cycle efficiency.

TECHNICAL SKILLS
1. Programming languages: BASIC, VISUAL C++, ASSEMBLY(Debugger & Masm), MATLAB, Open CV,
2. Applications: MS Office, Design lab PSPICE, Engineering Equation Solver (EES), AutoCAD, pro-engineer 5.0), Abaqus 6.10

EXTRACURRICULAR ACTIVITIES
1. Musicology: President of Music Club in College of E&ME 2011-12 and Resource Academia 2007-08
2. Sports (Cricket, Table Tennis, Swimming)

REFERENCES
Asst.Professor Rehan Ahmed Khan
Hassan Khalid

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering) CGPA: 3.88
2008- F.G Sir Syed college mall road Rawalpindi, Pakistan
(HSSC (Pre-Engineering)) 893/1100
2006- Fazaia Intermediate College E-9 Islamabad, Pakistan
(SSC (Science)) 924/1050

EXPERIENCE
1. Internee in cementing lab and slickline departments. Conducted various experiments in cementing lab and training in slickline department.
2. Internee in the following departments HCU, HBU, Reformer, Off shore maintenance, power plant. Accomplished various maintenance operations.

AWARDS AND ACHIEVEMENTS
1. Head Prefect of School during matriculation.
2. Member of Society of Automotive Engineers.

FINAL YEAR PROJECT
Design analysis and fabrication of cooling tower for dynamometers in engine testing lab.

SEMESTER PROJECTS
1. Designed a cruise control system.
2. Review paper on t-slot to avoid friction between piston and cylinder walls in IC Engines.
3. Manufacturing of a Rack and Pinion steering system.

TECHNICAL SKILLS
1. Programming languages: BASIC, VISUAL C++, MATLAB,
2. Applications: MS Office, Design lab PSPICE, Proteus, AutoCAD, Visual Studio

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Debates Poetry & Reading.
2. Sports (Cricket, Hockey, Tennis, Table Tennis, Squash, Polo, Swimming)

REFERENCES
Col Prof Dr Waheed-ul-Haq
HUSSAIN ALI SHAH

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan (BS in Mechanical Engineering)  CGPA: 3.0
2008- Fauji Foudation College for Boys Rawalpindi, Pakistan (HSSC (Pre-Engineering))  938/1100
2006- Roots Montessori & High School Rawalpindi, Pakistan (SSC (Science))  920/1050

EXPERIENCE
1. Eight weeks internship at MOL Pakistan Oil & Gas Co B’s Central Processing Facility, Karak, Pakistan.

AWARDS AND ACHIEVEMENTS
1. 448 Merit position in NUST entrance test
2. Fauji Foundation Excellence award

FINAL YEAR PROJECT
Design And Fabrication Of Cooling Tower For Engine Dynamometer.

SEMESTER PROJECTS
1. Control system analysis of submarine navigation mechanism.
2. Modeling Valve timing of double overhead camshaft
3. Studied and analyzed isentropic and second law analysis of a compressor.
4. Fabrication and analysis of geneva mechanism.

TECHNICAL SKILLS
1. Programming languages: VISUAL Studio, MATLAB, C++
2. CAD Software: ProE, Solidworks

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Debates Poetry & Reading.
2. Sports (Cricket, Hockey, Tennis, Table Tennis, Squash, Polo, Swimming)

REFERENCES
Lt. Col. DR. AAMER BAQAI
Kashif Mannan Malik

OBJECTIVE
To find a place that allows me to seek professional excellence and practice all of the skills I have assimilated during the course of my education.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Mechanical Engineering) CGPA: 2.59
2008- Saint Mary’s Academy Lalazar Rawalpindi, Pakistan
(A’ Levels) 905/1100
2006- Saint Mary’s Academy Lalazar Rawalpindi, Pakistan
(O’ Levels) 738/850

AWARDS AND ACHIEVEMENTS
1. Scored at the 100th Percentile on GAT, April 2012
2. Selected To Represent Pakistan in The 49th IMO, Spain, 2008

FINAL YEAR PROJECT
Manufacture and Analysis of Compressed Stabilized Earth Block

SEMESTER PROJECTS
1. Calculation of Cooling Load of a room.
2. Derivation of a correlation between efficiency and input parameters of a regenerative Rankine cycle with an open feed water heater.
3. Determination of Hydrostatic stress effects in a water storage tank.

TECHNICAL SKILLS
1. Programming languages: VISUAL C++, MATLAB,
2. Applications: MS Office, Design lab PSPICE, Proteus, AutoCAD, Pro-E, EES, Solid Works

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Debates Poetry & Reading.
2. Sports (Cricket, Hockey, Tennis, Table Tennis, Squash, Soccer)

REFERENCES
Asst. Professor Rehan Ahmed Khan
Mansoor Ghazi

OBJECTIVE
To serve with an esteemed organization and utilize my technical skills and emotional quotient for organizational growth in light of the present and future goals of the organization.

EDUCATION
- 2008-Present: College of E & ME, NUST, Rawalpindi, Pakistan (BS in Electrical Engineering) CGPA: 3.20
- 2008-: Islamabad Model College for Boys, G-10/4, Islamabad (HSSC (Pre-Engineering)) 823/1100
- 2006-: Islamabad Model College for Boys, F-8/4, Islamabad (SSC (Science)) 872/1050

EXPERIENCE
1. Four week Internship in Micro Controller Application Workshop

AWARDS AND ACHIEVEMENTS
1. 385th Merit position in NUST entrance test
2. Development of Pakistan’s first urban class electric hybrid vehicle with intelligent drive train.

FINAL YEAR PROJECT
Design and Development of 3 DOF Parallel Manipulator for assembly operations

SEMESTER PROJECTS
1. Simulation of Stress Analysis of the Connecting rod using Pro/Engineer.
2. Thermal and Structural Analysis of Suzuki Mehran Engine Piston
3. Calculation of Cooling Load of College Mosque

TECHNICAL SKILLS
1. CAE software: Creo-Elements/Pro-E 5, Ansys, Inventor, Fluent and Auto-CAD
2. Programming languages: BASIC, VISUAL C++, Matlab

EXTRACURRICULAR ACTIVITIES
1. Sports (Cricket, Hockey, Tennis, Table Tennis, Squash, Polo, Swimming)
2. Keen interest in Volunteer Work, Graphics Designing and travelling

REFERENCES
Lt. Col Prof Dr Amir Baqai
Mhammad Waqassddin Arif

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering) CGPA: 3.28
2005-2007 Alta Vista College, F-8/4, Islamabad, Pakistan 2As & 4Bs
(A-Levels)
2002-2004 Jawahir-al-Riyadh International school, Riyadh, Saudi Arabia
(O-Levels)

AWARDS AND ACHIEVEMENTS
Member of shell eco marathon held in Malaysia representing College of EME

FINAL YEAR PROJECT
Design and Fabrication of solar powered UAV

SEMESTER PROJECTS
1. Using E.E.S (Engineering Equation Solver) to develop a cor-relation between system parameters and cycle efficiency for an Ideal Re-heat Rankine Cycle
2. Using the knowledge of different manufacturing processes and design techniques an easy to assemble, commercial V.A.W.T (Vertical Axis Wind turbine)
3. Indulged currently in the refurbishmentment of the country's first hybrid car namely DEVIRM II, a project of Pak-Wheelers ltd
4. Made machine parts such as spur gears, complex screws using milling and lathe machines, fabricated wood casting patterns

TECHNICAL SKILLS
1. Programming languages: BASIC, VISUAL C++, MATLAB, Open CV,
2. Applications: MS Office, Design lab PSPICE, Proteus, Trucksim, Keil, AutoCAD, Photoshop and Visual Studio

EXTRACURRICULAR ACTIVITIES
1. Keen interest in social services
2. Sports (Cricket, Hockey, Tennis, Riding, Squash, Polo, Swimming)

REFERENCES
A/PROF SAIFULLAH KHALID
CO DS: AHMED SOHAIL
OBJECTIVE:
To be a part of an organization where I can add value to my technical & non-technical skills and play an effective part in national growth.

EDUCATION:

- 2008-Present College of E & ME, NUST, Rawalpindi, Pakistan (BS in Mechanical Engineering) CGPA: 2.78
- 2006-2008 Bahria College, Islamabad, Pakistan (GCE A-Level) 3As, 1B
- 2004-2006 Bahria College, Islamabad, Pakistan (GCE O-Level) 7As, 1B

EXPERIENCE:
1. 6 weeks Industrial Internship at ENGRO FERTILIZERS LTD, DAHARKI. Successfully completed the project “Reliability study of Pump P102’s Throat Bush, Lantern Bush & Valves”

AWARDS AND ACHIEVEMENTS:
1. Runner Up in All Pakistan Literary Marathon 2010-Parliamentary Debates, held at SEECS, NUST
2. Represented College of EME at 10th All Pakistan Mobilink GIKI Science Fair

FINAL YEAR PROJECT:
Designing, Manufacturing and Testing of the Composite Olympic Kayak.

1. Simulate a composite canoe using ABAQUS to achieve a light weight and low cost Olympic Kayak having comparable strengths to the traditional wooden canoe.

SEMESTER PROJECTS:
1. Design and Fabrication of C-Channel of Front Axel Assembly of Intra-Campus Transport Vehicle.
2. Design of a Major Tower for a 1.5 K.W Horizontal Axis Wind Turbine.

TECHNICAL SKILLS:
1. ABAQUS6.10, Pro-E, MS Excel, MATLAB, AutoCAD, Working Model 2.0, Pspice, EES & VisualC++

EXTRACURRICULAR ACTIVITIES:
1. Convener of NUSTEME Olympiad 2011
2. Student Chair of Society of Automotive Engineers (SAE), College of EME Student Chapter.
3. Team member in organizing IEEE’s International Conference on Advanced Modeling and Simulations (ICAMS 2011).

REFERENCES
Dr. Rizwan Choudhary
HAJI QAMER ALI KHAN CLOTH MERCHANT CHAI BAZAAR BANNU CITY, PAKISTAN
PHONE+92313-9049452
E-MAIL: mohibkhn@gmail.com

MOHIB KHAN

OBJECTIVE
Seeking career opportunities in a technology-oriented established organization that is dynamic, challenging with promising growth prospects and encourages leadership and management qualities so that I can put to use the best of my abilities for the organization and personal growth.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan
(BE in Mechanical Engineering)  CGPA: 3.17
2008- Cadet College Kohat
(HSSC (Pre-Engineering))  966/1100
2006- Cadet College Kohat
(SSC (Science))  986/1050

EXPERIENCE
1. Six weeks internship at MOL Pakistan Oil & Gas Co BV’s Central Processing Facility, Karak, Pakistan.
2. Six weeks Internship in Attock Oil Refinery Ltd. Morgah Rawalpindi.

AWARDS AND ACHIEVEMENTS
1. 165 Merit position in NUST entrance test
2. Awarded merit certificate by principal cadet college Kohat for securing 4th position in Kohat board in SSC exam.
3. Received merit certificate from principal cadet college Kohat for obtaining 4th position in Kohat board (pre-engineering).

FINAL YEAR PROJECT
Aerodynamic Drag Reduction of Ground Vehicle

SEMESTER PROJECTS
1. Design and fabrication of rack and pinion gear system of an automobile using AutoCAD and Pro-E software.
2. To study the thermal analysis of thrust and journal bearings using PRO-E software
3. To study the effects of negative Poisson's ratio on materials.

TECHNICAL SKILLS
1. Programming languages: PRO-E, ANSYS, EES, MATLAB
2. Applications: MS Office, PSPICE, AutoCAD

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Debates Poetry & Reading.
2. Sports (Cricket, Hockey, Tennis, Table Tennis, Squash, Polo, Swimming)

REFERENCES
Col. Dr. WAHEED

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Mohsin Ali Chaudry

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION
2008- Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering) CGPA: 3.84
2008- Beaconhouse Margalla Campus Islamabad, Pakistan
(A’level (Pre-Engineering)) 3A,1B
2006- Beaconhouse School System Wah Cantt, Pakistan
(O’level) 6A,1B

EXPERIENCE
1. Four weeks internship at Heavy Mechanical Complex (HMC), Taxila, Pakistan.

AWARDS AND ACHIEVEMENTS
1. Got NUST academic scholarship in all semesters in mechanical engineering.
2. Got 4/4 semester GPA for three times

FINAL YEAR PROJECT
Experimental and micro-mechanics based determination of mechanical properties of Composites.

SEMESTER PROJECTS
1. Control system analysis of submarine navigation mechanism.
2. Modeling Valve timing of double overhead camshaft
3. Studied and analyzed isentropic and second law analysis of a compressor.
4. Fabrication and analysis of geneva mechanism.

TECHNICAL SKILLS
1. Programming languages: VISUAL Studio, MATLAB, C++
2. CAD Software: ProE, Solidworks

EXTRACURRICULAR ACTIVITIES
1. Got prize in electric powered RC Aeroplane category in Design Build and Fly competition (DBFC)-national competition held at Ghulam Ishaq Khan Institute (GIKI).
2. Certificate for most robust bridge design: event organized by ASME, NUST.

REFERENCES
Dr Rizwan Saeed Choudhry
OBJECTIVE
Work in a dynamic and creative environment with the team of skilled and motivated professionals so that I can gain valuable professional experience as well as to exploit my potential to the fullest.

EDUCATION
2008-Present College of EME, NUST, Rawalpindi Pakistan
   BE in Mechanical Engineering   CGPA: 3.54
2008- Govt. College University Lahore
   (HSSC (Pre-Engineering))   994/1100
2006- Crescent Model School Lahore
   (SSC (Science))   945/1050

EXPERIENCE
1. Four weeks internship in maintenance department at DH Fertilizers Lahore.

AWARDS AND ACHIEVEMENTS
1. 9th position on GPA basis in The Department of Mechanical Engineering (EME).
2. Awarded GPA based Scholarship in five semesters.
3. Awarded Scholarships in HSSC and SSC from Lahore Board on getting 90% marks.

FINAL YEAR PROJECT
1. Designing and fabrication of a biomass gasifier.

SEMESTER PROJECTS
1. Designing of a 40 L capacity CNG cylinder for Suzuki Alto, which offers 20% weight saving as compared with existing cylinders
2. Manufacturing of an electric air compressor
3. Calculated cooling load of college fitter shop using CLTD method
4. Mathematical modeling of anti-lock braking system

TECHNICAL SKILLS
1. Software Skill’s: MS Office, EES, Inventor, Pro-E (Learning stage), Ansys (LS), Matlab, MSC ADAMS, Proteus.

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Debates Poetry & Reading.
2. Sports (Cricket, Hockey, Tennis, Table Tennis, Squash, Polo, Swimming)

REFERENCES
Asstt.Prof Ahmed Sohail
MUHAMMAD JUNAID AKHTAR

OBJECTIVE
Working in a competitive environment where I can expand my horizon through synergizing my theoretical knowledge with practical experience while effectively contributing towards achieving the organizational goals.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering)  CGPA: 3.27
2006 – 2008  Fazaia Inter College, E-9 Complex Islamabad, Pakistan
(HSSC (Pre-Engineering))  883/1100

EXPERIENCE
1. July 2011  the University of Manchester, Manchester, United Kingdom. Student Intern at National Composite Certification and Evaluation Facility
2. 2011 – 2012 National University of Sciences and Technology Rawalpindi, Pakistan. President, American Society of Mechanical Engineers, NUST (EME) Chapter

AWARDS AND ACHIEVEMENTS
2. Winner of NASCON Quiz Competition 2008 at FAST National University, Islamabad.

FINAL YEAR PROJECT

SEMESTER PROJECTS
2. IC Engines: Analyzed the cylinders of Suzuki 800 cc for thermal dissipation using Pro Engineer.

TECHNICAL SKILLS
1. Programming languages: BASIC, VISUAL C++, 8051 ASSEMBLY, 8086 ASSEMBLY (Debugger & Masm), MATLAB, Open CV,

EXTRACURRICULAR ACTIVITIES
1. Sports: Cricket, Lawn Tennis, Squash, Swimming, Table Tennis.

REFERENCES
Reference will be provided on request.
MUHAMMAD JUNAID KHAN

OBJECTIVE
To obtain a position as a Graduate Trainee Engineer, where I can grow professionally by maximizing my technical and nontechnical skills.

EDUCATION
- 2008-Present: College of E & ME, NUST, Rawalpindi, Pakistan (BS in Mechanical Engineering) CGPA: 2.86
- 2008-2010: Government College University Lahore, Pakistan (HSSC (Pre-Engineering)) 936/1100
- 2006-2008: Cadet College Kohat, Pakistan (SSC (Science)) 964/1050

AWARDS AND ACHIEVEMENTS
1. NUST scholarship award.
2. Runner Up in All Pakistan Literary Marathon 2010-Parliamentary Debates.

FINAL YEAR PROJECT
Design, Fabrication, Thermal, Stress and Cost analysis of Compressed Stabilized Earth Blocks.

SEMESTER PROJECTS
1. Design and Fabrication of Chassis for Intra-Campus Transport Vehicle.
2. Modeling and Analysis Crankshaft of 70 cc motorbike.
3. Stabilizing of an Inverted Pendulum using MATLAB
5. Deriving a Correlation between Cycle Efficiency and Known System Conditions of an Ideal regenerative rankine Cycle Using Open Feedwater using EES.

TECHNICAL SKILLS
Ansys, Pro-E, MATLAB, AutoCAD, Pspice, EES &Visual++

EXTRACURRICULAR ACTIVITIES
1. Convener of NUST EME Olympiad 2011
2. General Secretary of Society for the Promotion of Arts and Literature.
3. President Organizing Committee APDC (All Pakistan declamation Contest) 2012.
5. Director Social Events NUST EME Olympiad 2011.
6. Editor Student council drafting committee.
8. Member EME Model United Nations debating team.
9. Senior Advisor EME Parliamentary debating sessions.

REFERENCES
Personal references are available on request.
MUHAMMAD MUNEEB

OBJECTIVE
To obtain a full-time position in the field of mechanical engineering utilizing my problem solving and leadership skills. Furthermore, I want to exploit the opportunity to work for a prestige organization in order to nourish my technical skills which will help me to build a solid foundation for the start of my professional career.

EDUCATION

2008- Present College of EME, NUST, Rawalpindi Pakistan
BE in Mechanical Engineering  CGPA:3.61
2006-2008 Islamabad Model College for Boys, G-10/4, Islamabad
HSSC (Pre-Engineering)  921/1100
2004-2006 Islamabad Model College for Boys, F-10/3, Islamabad
SSC (Science)  920/1050

AWARDS & ACHIEVEMENTS
1. 8th position on GPA basis in The Department of Mechanical Engineering (EME).
2. Awarded GPA based Scholarship in five semesters.

FINAL YEAR PROJECT
• Hybrid Micro Air Vehicle (Final Year Project)

SEMESTER PROJECTS
1. Mounting of Lift and Drag measuring Test Bench (Side Project)
2. Correlation Formation between known conditions in ideal Rankine cycle (Thermodynamics)
3. Participated in NERC 2011 (Side Project)
4. Calculation of the cooling load of EME College drawing hall. (Refrigeration and cooling)

TECHNICAL SKILLS
1. Software Skill’s: MS Office, EES, Inventor, Pro-E (Learning stage), Ansys (LS), Matlab, Proteus.
2. Good Communication skills

EXTRACURRICULAR ACTIVITIES
1. Keen interest in learning new software.
2. Playing Cricket, Table Tennis and Football.

REFERENCES
References will be given on request.
OBJECTIVE
To work in an organization that refines my professional skills and also to contribute positively towards the objectives of the firm to the best of my capabilities.

EDUCATION

2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Mechanical Engineering)  CGPA: 3.23
2008- F.G Sir Syed College for Boys Rawalpindi, Pakistan
(HSSC (Pre-Engineering))  909/1100
2006- Army Public School andCollege Rawalpindi, Pakistan
(SSC (Science))  863/1050

EXPERIENCE
1. Six weeks internship at IKAN Engineering Services, Multan Road, Lahore.

AWARDS AND ACHIEVEMENTS

1. Led the university team for DBFC-6, a project involving designing and fabrication of an aircraft.
2. Won the Runners Up prize for the university team in DBFC-6.
3. Won GPA based scholarship.
4. Played for F.G Sir Syed College Football Team and EME Football team.

FINAL YEAR PROJECT
Numerical and Experimental Investigation of Unconventional Propulsive System for underwater vehicle.

SEMESTER PROJECTS
1. Designing of a mechanical jigs and fixtures on Pro-E Software.(8th semester)
2. Analytical study of smooth terrain vehicle wheel and tires. (7th semester)
3. Estimation of cooling load and cooling load reduction techniques for a room.
4. CAD Modeling of fuel injectors used in various automobiles using Pro-E.
5. CAD Modeling and Fabrication of a Mini Mobile Boom Crane.

TECHNICAL SKILLS
1. CFX (ANSYS 13.0)
2. FLUENT (ANSYS 13.0)
3. Pro-E 5.0
4. AutoCAD
5. EES
6. MATLAB

EXTRACURRICULAR ACTIVITIES
1. Sketching
2. Stamps
3. Football
4. Swimming

REFERENCES
Col Prof Dr Waheed Ul Haq
Muhammad Tayyab Siddique

House No. 996, St. No.7, Model Town,
Humak (Gharbi), Islamabad.
PHONE+92315541332
EMAIL: imtayyab2u@yahoo.com

OBJECTIVE
I solely seek a learning opportunity therefore I am interested in an engineer training program which provides me with ample exposure to engineering problems.

EDUCATION
2008-Present College of EME, NUST, Rawalpindi Pakistan
BE in Mechanical Engineering    CGPA:3.25

HSSC (Pre-Engineering) 906/1100

SSC (Science) 942/1050

EXPERIENCE
1. Eight weeks internship training at Kot Addu Power Company (KAPCO)

AWARDS & ACHIEVEMENTS
1. Awarded GPA based Scholarship.
2. Secured 1st position in English Debate at Beaconhouse.
3. Secured 1st and 3rd positions in Urdu debate at Beaconhouse.
4. Tracking (Stood 5th on Green day rally held by RMC)

FINAL YEAR PROJECT
1. Development of 3 degree of parallel manipulator. (Designing and implementing parallel mechanism for the first time in Pakistan)

SEMESTER PROJECTS
1. Introduced a new Technique of Correlation using between known conditions in Brayton cycle.
2. Development of weight measuring hydraulic jack.
3. Cooling load calculation of College mosque.
4. Design of hybrid desiccant cooling system for humid climates.
5. Design of jigg for a specific part.

TECHNICAL SKILLS
2. Good writing skills: Report Writing, exceptional presentation skills.

EXTRACURRICULAR ACTIVITIES
1. Keen interest in software solid modeling and animation.

REFERENCES References will be given on request.
OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way..

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan  
(BS in Electrical Engineering)  CGPA: 3.73
2006-2008  F.G. Sir Syed Collage, The Mall, Rawalpindi, Pakistan  
(HSSC (Pre-Engineering))  911/1100
2004-2006  Spring Field Public School, Rawalpindi, Pakistan  
(SSC (Science))  902/1050

EXPERIENCE
1. 8 weeks Internship Training at Pakistan Atomic Energy Commission  
(Scientific & Engineering Services Dte.), Pakistan Welding Institute and National Center for Non-Destructive Testing (I-9 Islamabad)

AWARDS AND ACHIEVEMENTS
1. Received NUST High Achiever’s certificate in 3 semesters
2. Received MERIT BA SED Scholarship in all previous semesters  
(summing upto Rs.2,46,500)
3. 48 merit position in NUST entrance exam
4. A1 grade throughout academic career

FINAL YEAR PROJECT
1. Micro Air Vehicle test bench calibration and testing of wing profiles

SEMESTER PROJECTS
1. Participated in NERC robotics contest
2. Design and fabrication of a radial drill machine
3. Stress and thermal analysis of Piston and gudgeon pin

TECHNICAL SKILLS
Experienced in: AutoCAD, SolidWorks, Inventor, Pro-e, MATLAB, EES, Microsoft Office, MathCAD
Also capable of learning new softwares very quickly
Experienced in CNC machine programming and operation
Excellent communication and interpersonal skills

EXTRACURRICULAR ACTIVITIES
1. Sports (Cricket, Hockey,, Table Tennis)

REFERENCES
Dr. Rizwan Saeed
OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION

2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan  
(BS in Mechanical Engineering)  
CGPA: 2.90

2008-   Bahria College Islamabad, Pakistan  
(GCE A-Levels))  
1A, 2Bs

2006-   Roots Montessori & High School Rawalpindi, Pakistan  
(GCE O-Levels)  
6As,2Bs

EXPERIENCE

1. 3 weeks internship at Attock Refinery Limited, Rawalpindi, Pakistan.

2. 3 weeks internship at Zaver Petroleum Corporation Limited, Islamabad Pakistan.

AWARDS AND ACHIEVEMENTS

1. 193 Merit position in NUST entrance test
2. Scholarship holder on college level on academic grounds

FINAL YEAR PROJECT
Conversion kit for textile weaving shuttle loom into shuttleless loom

SEMESTER PROJECTS

1. Designing and fabrication of Tesla Turbine.
2. Calculating cooling load for various rooms in a building.
3. Analysis, Design and fabrication of 6-seater vehicle for EME College Shuttle Service.

TECHNICAL SKILLS
EES software, C++, AutoCAD, Adobe Illustrator, PSPICE, Proteus, MATLAB, Google SketchUp, Microsoft Office, Visual Basic, PTC Creo (commonly known as PRO/E), CATIA & SolidWorks.

EXTRACURRICULAR ACTIVITIES
Photography, Paragliding, Cycling

REFERENCES
Asst. Prof Akhtar Khurshid
Obaid Khalid Khan

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION

<table>
<thead>
<tr>
<th>Year</th>
<th>Institution</th>
<th>Qualification</th>
<th>GPA/Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008-Present</td>
<td>College of E &amp; ME, NUST, Rawalpindi, Pakistan</td>
<td>BS in Electrical Engineering</td>
<td>CGPA: 3.66</td>
</tr>
<tr>
<td>2005-2007</td>
<td>PAF Public School, Sargodha</td>
<td>HSSC (Pre-Engineering)</td>
<td>938/1100</td>
</tr>
<tr>
<td>2003-2005</td>
<td>PAF Public School, Sargodha</td>
<td>SSC (Science)</td>
<td>920/1050</td>
</tr>
</tbody>
</table>

AWARDS AND ACHIEVEMENTS
1. Merit scholarship for first four semesters for outstanding GPA
2. Merit scholarship for being in the top 150 position holders in NUST entry test
3. Represented the College of Electrical & Mechanical Engineering and won the LUMS PSIFI 2011
4. Awarded academic color for outstanding performance during my duration at college
5. Appointed House prefect for my last year at college

FINAL YEAR PROJECT
1. UAV

SEMESTER PROJECTS
1. Derived a direct correlation for the efficiency of a Reheat Rankin Cycle using EES
2. Designed a cruise control system using MATLAB
3. Heat analysis of a thermostat of a car using PROE
4. Review paper on Continuous Variable Transmission

TECHNICAL SKILLS
1. ProE Modeling of Thermostat, Solar Powered UAV
2. MATLAB Simulation of Cruise Control System of a car, Implementation of numerical analysis techniques

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Debates Poetry & Reading.
2. Sports (Cricket, Hockey, Tennis, Table Tennis, Squash, Polo, Swimming)

REFERENCES
Col Prof Dr Shoab A Khan
Osama Iftikhar

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way..

EDUCATION
- 2008-present: E&ME, Bachelors in Mechanical Engineering (cGPA:2.85)
- 2007-08: F.G Sir Syed Rawalpindi, FSSC 2 (76%)
- 2006-07: APSACS Malir Cantt, FSSC 1 (79%)
- 2005-06: APSACS Malir Cantt, SSC 2 (89%)
- 2004-05: APSACS Nowshera, SSC 1 (88%)

EXPERIENCE
1. Eight weeks internship at MOL Pakistan Oil & Gas Co B.V’s Central Processing Facility, Karak, Pakistan.

AWARDS AND ACHIEVEMENTS
1. 109 Merit position in NUST entrance test
2. Fauji Foundation Excellence award

FINAL YEAR PROJECT
Real-time Detection, Tracking and Classification on IR NV Thermal Cameras

SEMESTER PROJECTS
1. Development of cruise control system for a motorized miniature car using PIC microcontroller based PID controller.
2. Development of a power inverter using PIC microcontroller and a MOSFET based H-bridge
3. MATLAB based modulation, demodulation and channelization of various digital modulation techniques in-depth BER analysis & MATLAB based signal processing of speech signals.

TECHNICAL SKILLS
1. Programming languages: BASIC, VISUAL C++, 8051 ASEMBLY,8086 ASSEMBLY(Debugger & Masm), MATLAB, Open CV,

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Debates Poetry & Reading.
2. Sports (Cricket, Hockey, Tennis, Table Tennis, Squash, Polo, Swimming)

REFERENCES
Col Prof Dr Shoab A Khan
RAZA MALIK

OBJECTIVE
I have strong faith in two things; Allah and hard work so try my level best to do task given to me as honestly as possible. I try to think positive. I have a very compromising nature and can adjust in different environments easily and quickly so in short I am a very comfortable person to work with.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
BS in Mechanical Engineering CGPA: 2.67
2006-2008 Army Public School & College, Bahawalpur
HSSC (Pre-Engineering) 810/1100
2001-2003 Army Public School & College, Bahawalpur
O-levels 879/1050

EXPERIENCE
4 weeks at Fibertech Lahore.

AWARDS AND ACHIEVEMENTS
2nd best result in O-levels batch of my school

FINAL YEAR PROJECT
Aerodynamic Drag Reduction of Hino KL 340 truck.

SEMESTER PROJECTS
1. Mathematical modeling of efficiency of Rankine Cycle using EES
2. Weight reduction of a commonly used CNG Cylinder.
3. Design verification for chassis of six people carrier vehicle.
4. Exergy analysis of the tempering furnace of Ittehad Steel PVT Ltd.

TECHNICAL SKILLS
Applications: Pro Engineer, Ansys, Matlab, AutoCAD, MS Office

ACADEMIC & CAREER INTERESTS
1. Will like to work in future on a project involving any non-conventional renewable energy systems for automobiles especially bio-fuels.
2. Hope to work on dedicated CNG engines in future.

EXTRACURRICULAR ACTIVITIES
1. E-Gaming
Sohail Tanveer

OBJECTIVE
To work in an organization where I can find the best use of my engineering knowledge and skills, resulting benefit to both organization and myself

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan  
BE in Mechanical Engineering  
CGPA: 3.68/4.00
2006-2008  Punjab College of Science, Sargodha, Pakistan  
HSSC(Pre-Engineering)  
886/1100
2004-2006  Ilma Model High School, Sargodha, Pakistan  
SSC(Science)  
876/1050

EXPERIENCE
1. Four weeks Internship at Fauji Fertilizer Company, Sadiqabad, Pakistan

AWARDS AND ACHIEVEMENTS
1. Scholarship from BISE Sargodha for high achiever in 8th standard
2. Got scholarships for first five consecutive semesters by NUST on GPA basis
3. Commandant’s Plague of excellence for years 2009 and 2010 for being high achiever
4. Got Best Student trophy for year 2005-2006 by head of school

FINAL YEAR PROJECT
Aerodynamic drag reduction for Hino truck and wind tunnel testing for scale down model

SEMESTER PROJECTS
1. Design of CNG cylinder for SUZUKI 800cc with 20% weight reduction
2. Manufacturing of Electrically operated air compressor
3. Analysis of Antilock Braking System (ABS) of automobiles
4. Design and manufacturing of chassis for a go-kart

TECHNICAL SKILLS
1. Pro-Engineer, Ansys, Matlab, Fluent, Gambit, MS Office, EES,C/C+

EXTRACURRICULAR ACTIVITIES
1. Bodybuilding
2. Cricket
3. Taekwondo

REFERENCES
Lt Col Asst Prof Dr Amir Baqai
OBJECTIVE
To start a long affiliation with an emerging and growing organization where I may contribute my knowledge and gain experience with mutual benefits.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan (BS in Electrical Engineering) CGPA: 3.17
2008- Fauji Foudation College for Boys Rawalpindi, Pakistan (HSSC (Pre-Engineering)) 77.6%
2006- Roots Montessori & High School Rawalpindi, Pakistan (SSC (Science)) 87.9%

EXPERIENCE
Packages Pvt Limited  Quality Engineering Pvt Limited
Mechanical Fabrication Unit  Design Department
July to September, 2011  June to August, 2010
Internee  Internee

AWARDS AND ACHIEVEMENTS
✓ Won an inter-university gaming tournament DICE (2010) in IST, Islamabad
✓ Represented university in LUMS Science Olympiad (2011) and stood first overall

FINAL YEAR PROJECT
✓ Designed and built Pakistan's first Solar Powered Unmanned Aerial Vehicle

SEMESTER PROJECTS
✓ Participated in National Engineering Robotics Contest and led a team of fellow colleagues to design and fabricate an Autonomous Robot
✓ Reverse Engineered an 850kW gear box for a sugar mill and a Butterfly Valve for transmission of mineral oil
✓ Precision machining of a Gear Pump

TECHNICAL SKILLS
ANSYS  Computational Fluid Dynamics and Fatigue Analysis
Solid Modelling  Stress Analysis, Kinematic Simulation &Jig Design in Autodesk Inventor and ProE/Creo
MATLAB  PID controls and Feedback Control systems
Proteus  Circuit design and AVR Microcontroller programming
AutoCAD  Prepared number of manufacturing drawings for workshop use
Microsoft Office  Proficient user of Microsoft Word, PowerPoint, Excel and Project

EXTRACURRICULAR ACTIVITIES
Conferences & Seminars  Renewable Energy development in Pakistan
Design for composite materials
International Conference on Automation,Modelling and Simulation(ICAMS)

Reading  Travelogues, History and Comicalliterature
Sports  Participated in Inter-NUST table tennis competition
OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way..

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Mechanical Engineering) CGPA: 3.27
2008- Moon System of education
Higher Secondary School Education (927/1100)
2008- Al Badr High School
Secondary School Education (859/1050)

EXPERIENCE
1. Completed 4 week internship at IKAN engineering services Lahore
2. Completed 1 week internship at FABCON

AWARDS AND ACHIEVEMENTS
1. Awarded Commandant’s Plaque of Excellence in the 1 out of 7 semesters
2. Awarded NUST High Achievers’ scholarship in the 1 out of 7 semesters

FINAL YEAR PROJECT
Working on the design and fabrication of mixed flow impeller for the water jet propulsion system

SEMESTER PROJECTS
2. Thermodynamics: Energy analysis & 2nd law efficiency of steam in piston cylinder assembly using EES.
3. Automotive Mechanics: Wrote a review paper on the effects of variable geometry turbocharger on diesel engine.
4. Thermodynamics: Comparison of “Simple Rankine Cycle” with “Rankine Cycle with Multiple Feed Water Heaters”. on EES
Energy Resources: Worked on the production of diesel from catalytic depolymerization.

TECHNICAL SKILLS
Design Softwares: Pro Engineer, Auto CAD, Inventor, CFdesign
Excellent Communication & Presentation skill

EXTRACURRICULAR ACTIVITIES
Urdu Literature, History, e gaming, Blogging, Cricket

REFERENCES
Col Prof Dr Waheed-ul-Haq
OBJECTIVE
Looking for an excellent opportunity to work as a **Trainee Mechanical Engineer** in a company where my talent and knowledge in fluid mechanics, thermodynamics and machine element design along with my managerial skills and problem solving abilities can help in the progress of the organization.

EDUCATION

<table>
<thead>
<tr>
<th>Year</th>
<th>Institution</th>
<th>Course</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008-2015</td>
<td>College of E &amp; ME, NUST, Rawalpindi, Pakistan</td>
<td>BS in Electrical Engineering</td>
<td>B</td>
</tr>
<tr>
<td>2008</td>
<td>Divisional Public School &amp; Inter College, Sahiwal</td>
<td>HSSC (Pre-Engineering)</td>
<td>877/1100</td>
</tr>
<tr>
<td>2006</td>
<td>Divisional Public School &amp; Inter College, Sahiwal</td>
<td>SSC (Science)</td>
<td>873/1050</td>
</tr>
</tbody>
</table>

EXPERIENCE

1. Four weeks internship at Ibrahim Fibres Limited, Faisalabad
2. Four weeks internship at Philip Morris (Pakistan) Limited Factory, Sahiwal

AWARDS AND ACHIEVEMENTS

- 1st Class Degree holder, Throughout 1st Division academic career.
- BISE MULTAN scholarship holder in HSSC & SSC.
- Organized and attended many seminars, Camps and other events on national and International level.
- Organized EME, Olympiad 2011.
- Got first prize in debate competition at school level.

FINAL YEAR PROJECT
Fabrication and analysis of **Compressed Stabilized Earth Block** and make increase in strength.

SEMESTER PROJECTS

1. **Manufacturing Processes**: Manufacturing of internal gear pump.
2. **Control Systems**: Analysis of antilock braking system (A.B.S) of automobiles
3. **Air Conditioning and Refrigeration**: Calculation of cooling load of ‘Mechanical Department’
4. **Mechanics of Materials**: Design of 40 liter capacity CNG cylinder which has 20% less weight as compared to the existing design.
5. **Design of Machine Elements**: Design wheel bearings using solid works.
6. **Theory of Machines**: Fabrication and simulation of Scotch Yoke mechanism

TECHNICAL SKILLS
Pro Engineer, Solid Works, AutoCAD, MATLAB, EES, C++

EXTRACURRICULAR ACTIVITIES

Cricket, Badminton, E-gaming
OBJECTIVE
As a Mechanical Engineer, I would like to implement my technical competence in some well reputed organization so as to pursue a bright career. Moreover to expand my mental aptitude and professional skills by working in teams and with some experienced people. Discipline, Efficiency Inter-personal skills, Trust and loyalty to my organization are the foundations for having a bright professional career.

EDUCATION
2008-Present College of EME, NUST, Rawalpindi Pakistan
BE in Mechanical Engineering CGPA:3.69
HSSC (Pre-Engineering) 922/1100
SSC (Science) 910/1050

EXPERIENCE
1. Six weeks internship training at FFC MirpurMathelo, Daharki Pakistan.
2. Four weeks internship training at Heavy Mechanical Complex Taxila Pakistan.

AWARDS & ACHIEVEMENTS
1. 5th position on GPA basis in The Department of Mechanical Engineering (EME).
2. Awarded GPA based Scholarship in each semester.

FINAL YEAR PROJECT
1. Modeling and Simulation of a Tilting Three Wheel Vehicle

SEMESTER PROJECTS
1. Methane to Markets with EPA (Proposal Sent)
2. Introduced a new Technique of Correlation using Interpolation between known conditions in Ideal Rankine cycle.
4.

TECHNICAL SKILLS
1. Software Skill’s: MS Office, EES, Inventor, Pro-E (Learning stage), Ansys (LS), Matlab, MSC ADAMS, Proteus.

EXTRACURRICULAR ACTIVITIES
1. Keen interest in learning new software.
2. Playing Cricket, Table Tennis and Football.

REFERENCES
Assistant Professor Raja AmerAzim
OBJECTIVE
To start my career in a stable company where I can empower myself to contribute best for mutual growth and development

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan (BS in Electrical Engineering) CGPA: 2.73
2008- F.G Cant Public School, Rawalpindi, Pakistan (HSSC (Pre-Engineering)) 909/1100
2006- F.G SirSyed College, the Mall, Rawalpindi, Pakistan (SSC (Science)) 959/1050

EXPERIENCE
1. Four week Internship in mechanical maintenance department of Fauji Fertilizer Company FFC Goth Machi.

AWARDS AND ACHIEVEMENTS
1. 223rd Merit position in NUST entrance test
2. Recipient of Federal Board Academic Scholarship at SSC, Middle and Primary level.

FINAL YEAR PROJECT
Design and Development of 3 DOF Parallel Manipulator for assembly operations

SEMESTER PROJECTS
1. Simulation of Stress Analysis of the Connecting rod using Pro/Engineer.
2. Design of a Variable ratio Brake Pedal for the Intra-Campus transport Vehicle
3. Calculation of Cooling Load of College Mosque

TECHNICAL SKILLS
1. CAE software: Creo-Elements/Pro-E 5, Ansys, Inventor, Fluent and Auto-CAD
2. Programming languages: BASIC, VISUAL C++, Matlab

EXTRACURRICULAR ACTIVITIES
1. Sports (Cricket, Hockey, Tennis, Table Tennis, Squash, Polo, Swimming)
2. Keen interest in Volunteer Work, Graphics Designing and travelling

REFERENCES
Lt. Col Prof Dr Amir Baqai
OBJECTIVE
To work as a graduate engineer, in industry where I can polish my skills and earn good name for organization.(Key skills team player, creative and innovative).

EDUCATION
2008-Present College of E&ME, NUST, Rawalpindi
( BS in Mechanical Engineering)
CGPA: 3.43/4.00
2006-2008 F.G, Sirsyed College The Mall Road RWP
HSSC (Pre Engineering) Grade: 82%
2004-2006 Station School # 2 RWP
SSC (Science) Grade: 85.2%

EXPERIENCE
Four weeks internship at Heavy Mechanical Complex (HMC) Taxila, Pakistan with experience of study of boilers, material testing equipments and manufacturing techniques

AWARDS AND ACHIEVEMENT
1. Got special prize in electric powered RC Aero plane category in Design Build and Fly competition (DBFC)-national competition held at GhulamIshaq Khan Institute (GIKI).
3. Member of Composite Research group at NUST college of E&ME
4. Participated in 7th cricket tournament held under Lahore Diocesan Board of Education)

FINAL YEAR PROJECT
Experimental and numerical based determination of Mechanical properties of Composite Materials.

SEMMESTER PROJECTS
1. Comparison of isentropic and second law efficiency of different refrigerants in a compressor using EES software.
2. Design and Fabrication of a Crane capable of hoisting, luffing and slewing.

TECHNICAL SKILLS
1. AutoCAD (studied as a subject)
2. Pro-E (studied as a subject)

REFERENCES
Col Prof Dr WAHEED UL HAQ
OBJECTIVE
To work in an organization where I can find the best use of my engineering knowledge and skills, resulting benefit to both organization and myself.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan  
BE in Mechanical Engineering  
CGPA: 3.68/4.00
2006-2008  Punjab College of Science, Sargodha, Pakistan  
HSSC(Pre-Engineering)  
886/1100
2004-2006  Ilma Model High School, Sargodha, Pakistan  
SSC(Science)  
876/1050

EXPERIENCE
1. Four weeks Internship at Fauji Fertilizer Company, Sadiqabad, Pakistan

AWARDS AND ACHIEVEMENTS
1. Scholarship from BISE Sargodha for high achiever in 8th standard
2. Got scholarships for first five consecutive semesters by NUST on GPA basis
3. Commandant’s Plague of excellence for years 2009 and 2010 for being high achiever
4. Got Best Student trophy for year 2005-2006 by head of school

FINAL YEAR PROJECT
Aerodynamic drag reduction for Hino truck and wind tunnel testing for scale down model

SEMESTER PROJECTS
1. Design of CNG cylinder for SUZUKI 800cc with 20% weight reduction
2. Manufacturing of Electrically operated air compressor
3. Analysis of Antilock Braking System (ABS) of automobiles
4. Design and manufacturing of chassis for a go-kart

TECHNICAL SKILLS
1. Pro-Engineer, Ansys, Matlab, Fluent, Gambit, MS Office, EES,C/C+

EXTRACURRICULAR ACTIVITIES
1. Bodybuilding
2. Cricket
3. Taekwondo

REFERENCES
Col Prof Dr Syed Waheed Ul Haq
Suleman Ahmed Butt

OBJECTIVE
Seeking an entry level position in a professional and structured organization, conducive for learning industrial aspects of mechanical engineering, where my knowledge and experience can be utilized fully and enhanced while catalyzing the productivity of the organization.

EDUCATION
- 2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan  
  (BS in Mechanical Engineering)  
  CGPA: 2.65
- 2008-   Fauji Foudation College for Boys Rawalpindi, Pakistan  
  (HSSC (Pre-Engineering))  
  858/1100
- 2006-   Fazaia Inter college Rawalpindi, Pakistan  
  (SSC (Science))  
  850/1050

EXPERIENCE
1. Eight weeks internship at Wah Noble Chemical Pvt Ltd, Wah Cantt, Pakistan.

FINAL YEAR PROJECT
Design and Fabrication of a Parabolic Trough Collector.

SEMESTER PROJECTS
1. Finding various vehicle parameters of a four wheel go cart designed and fabricated by department of mechanical engineering NUST.
2. Deriving a correlation between cycle efficiency and given conditions of a Regenerative Rankine cycle using EES.
3. Find the cooling load of a classroom and suggesting ways to decrease the load.
4. Thermal analysis of water pump of a Suzuki car using PRO-E.
5. Detailed study of photo elastic stresses using polariscope.

TECHNICAL SKILLS
1. Applications: MS Office, PRO Engineer, Ansys, Engineering Equation Solver, Design lab PSPICE, Proteus.

EXTRACURRICULAR ACTIVITIES
1. Reading books.
2. Sports (Football, Tennis)

REFERENCES
Asst Prof Ahmed Sohail
Syed Ahmed Alam

OBJECTIVE
To obtain a position of Mechanical Engineer (Trainee) in a well recognized firm.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Mechanical Engineering)  CGPA: 3.73
2008- Islamabad Model College for Boys G-10/4, Islamabad Pakistan
(HSSC (Pre-Engineering))  897/1100
2006- Islamabad Model College for Boys G-10/4, Islamabad, Pakistan
(SSC (Computer Science))  920/1050

EXPERIENCE
1. 6 weeks internship at ARL Maintenance Department, Morgah, Rawalpindi, Pakistan.

AWARDS AND ACHIEVEMENTS
1. 177 Merit position in NUST entrance test.
2. Among top 5 students in Mechanical Engineering in university.
3. A grade in all mathematical subjects.
4. Scholarships in all semesters at university level on academic grounds.

FINAL YEAR PROJECT
Design and Fabrication of a kit to convert textile weaving shuttle loom into shuttle less loom.

SEMESTER PROJECTS
1. Design and fabrication of Tesla Turbine.
2. Entropy Generation analysis of heat transfer phenomenon between solid body and fluid using EES software.
3. Design of an exhaust system of a 125 cc golf cart.
4. Entropy Generation analysis of heat transfer phenomenon between solid body and fluid using EES software.
5. Cooling load calculation of a specific room in the university.

TECHNICAL SKILLS
• ABAQUS, C++, EES, PRO ENGINEER, AUTOCAD, CNC, MATLAB, ANSYS
• Proficient in mathematical modeling, basic programming and solving design problems.

EXTRACURRICULAR ACTIVITIES
• All outdoor sports and book reading.

REFERENCES
Asst. Professor Akhtar Khurshid.
OBJECTIVE
To work in a stimulating environment where I can apply & enhance my knowledge, skill to serve the firm to the best of my efforts.

EDUCATION
2008-Present College of E&ME, NUST, Rawalpindi
   (BS in MechanicalEngineering)   CGPA:3.48
2006-2008 PAEC Model College for Boys, Chashma, DisttMianwali
   HSSC (Pre Engineering)     Grade: A
2004-2006 PAEC Model College for Boys, Chashma, DisttMianwali
   SSC (Science)     Grade:A1

EXPERIENCE
1. 4-weeks internship at Attock Oil Refinery Limited, Morgah, Rawalpindi
2. 4-weeks internship at Chashma Nuclear Power Plant (Chashnupp-1)

AWARDS AND ACHIEVEMENT
1. 4 time recipient of GPA based scholarship
2. Team member in organizing IEEE’s international conference on energy systemsEngineering (ICESE)

FINAL YEAR PROJECT
   Design and Manufacturing of cost effective surface wheel for power generation.

SEMESTER PROJECTS
1. Derivation of a Correlation between cycle efficiency and known system coordinates of an ideal Regenerative Rankine cycle with closed feed water heater having drains cascaded backwards.
2. T-slot analysis-thermal analysis of a piston having T-Slot (Using Pro/E Mechanica).
3. Development of an intra-campus transport vehicle in a group project.

TECHNICAL SKILLS
1. Solid Modeling using Pro-E and Solidworks
2. Computer Aided Drawing using AutoCAD
3. Simulation using Matlab and Engineering Equation Solver(EES)

REFERENCES
Col Prof DrWAHEED UL HAQ
SYED NAJAM HAIDER ZAIDI

OBJECTIVE
A motivated and responsible graduate seeking an entry-level position which will utilize the engineering & organizational skills developed through my course of study.

EDUCATION
2008 – Present College of E&ME, NUST, Rawalpindi, Pakistan
BS Mechanical Engineering    CGPA: 3.14
2006 – 2008    F.G Sir Syed College, Mall Road, Rawalpindi, Pakistan
HSSC (Pre Engineering)     911/1100
2004 – 2006 Joint Services Public School, Chaklala Rawalpindi, Pakistan
SSC (Science)      945/1050

AWARDS AND ACHIEVEMENTS
1. Scholarship holder at Joint Services Public School
2. 161st Merit Position in NUST Entrance Test
3. Merit based scholarship holder at College of E&ME, NUST

FINAL YEAR PROJECT
1. Design & Fabrication of Cooling Tower for Taylor’s Engine testing dynamometer to be installed at College of E&ME, NUST

SEMESTER PROJECTS
1. Design and manufacturing of a Wind driven pump.
2. Mathematical modeling of diffuser in EES.
3. 3D modeling and analysis of a 1000cc I.C engine camshaft using Solid Works 2010 software.
4. Designing of bracket supports for 1.5 ton split air conditioner.
5. Review paper on the topic of Hybrid Fuel Cell Vehicles.
6. Design & fabrication of simple car steering system.
7. Mechanical design of soccer playing robot for university team to compete in RoboCup International Robotics competition

TECHNICAL SKILLS
1. Programming Languages: C++, CNC Programming & Simulation
2. Applications: Solid Works 2012, Pro Engineer 5, AutoCAD, MS Office, EES, Photoshop
3. Spoken English Language Course from STICS Rawalpindi

EXTRA CURRICULAR ACTIVITIES
1. Keen interest in travelling and outdoor activities
2. Keen interest in Designing Softwares

REFERENCES
Col Prof Dr Waheedul Haq
Usman ul Haq

OBJECTIVE
To obtain a position in a well reputed firm in order to nourish my technical as well as management skills so that I can have a strong foundation for the start of my professional career. Furthermore, I want to join your prestigious firm because it has reputation of producing quality and also because it provides tremendous learning opportunities.

EDUCATION
2008- Present  College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Mechanical Engineering)  CGPA: 3.48
2006-2008  F.G Quaid-e-Azam College, Rawalpindi, Pakistan
(HSSC (Pre-Engineering))  900/1100
2006-   Beacon House School System Rawalpindi, Pakistan
(SSC (Science))  871/1050

EXPERIENCE
1. Heavy Mechanical Complex Taxila, Pakistan (4 weeks)
2. Attock Oil Refinery, Morgah Rawalpindi (6 weeks)

AWARDS AND ACHIEVEMENTS
1. Award Of appreciation in first and Second Year From College in 2007,2008
2. Awarded Scholarship thrice on ground of good GPA
3. Co-writer of a research paper based on Hybrid Wing Design Testing and analysis

FINAL YEAR PROJECT
Design, analysis and fabrication of Hybrid Micro Air Vehicle

SEMESTER PROJECTS
1. Feasibility report regarding different methods of extracting wave energy at Karachi shore
2. Design and manufacturing of Engine mounts of 200cc Engine

TECHNICAL SKILLS
1. Have experience of working on Autocad, Pro Engineer, Ansys, EES
2. Extensive experience in circuit designing using Proteus and Fabrication.

EXTRACURRICULAR ACTIVITIES
1. Active member of American Society of Mechanical Engineers EME.
2. Represented EME in LUMS Psifi 2010

REFERENCES
Col Dr. Syed Waheed ul Haq

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WALEED AHMAD MIRZA

OBJECTIVE
To be a part of an organization where I can add value to my technical & non-technical skills and play an effective part in national growth.

EDUCATION
2008 – Present  College of E&ME, NUST, Rawalpindi, Pakistan
BS Mechanical Engineering  CGPA: 3.43/4
HSSC (Pre Engineering)  1005/1100
SSC (Science)  937/1050

AWARDS AND ACHIEVEMENTS
1. Govt. of Punjab Benevolent Scholarship holder (2008-2012)
2. NUST Scholarship holder (2008-2009)
3. Distinguished Student Scholarship Award (2007)

FINAL YEAR PROJECT
1. “Modeling of elastic structural response of 1.2 MW wind turbine blades” using Finite Element software Abaqus 6.10 (Final year project in progress)

SEMESTER PROJECTS
2. Research paper on “Finite Element (FE) based modeling of impact damage in fiber reinforced polymeric composite materials” using abaqus 6.10 (in progress)
3. Structural analysis of T joints of wind turbine blade using INSTRON fatigue, uni-axial and impact testing machines
4. Exergy analysis and Second law efficiency of steam in piston cylinder assembly using Engineering Equation Solver (EES)
5. Design and fabrication of Prototype of Turbocharger using Solid Work
6. Design and manufacturing of transmission system of a Go-cart

TECHNICAL SKILLS
1. Programming Languages: C++, CNC Programming & Simulation
2. Applications: Pro Engineer 5, AutoCAD, MS Office, EES, Photoshop, MATLAB, Working Model 2.0, Pspice & VisualC++

EXTRA CURRICULAR ACTIVITIES
1. Keen interest in travelling and outdoor activities
2. Keen interest in Designing Soft wares

REFERENCES
Col Prof Dr Waheed ul Haq
Zohaib Ahmed

OBJECTIVE
I am seeking a job in an organization where I can contribute positively towards the objectives of the organization to the best of my capabilities.

EDUCATION
- 2008-Present: College of E&ME, NUST, Rawalpindi, Pakistan (BE Mechanical Engineering) CGPA: 3.50
- 2006-2008: Pakistan Scouts Cadet College Batrasi Mansehra, Pakistan (HSSC (Pre-Engineering)) 910/1100
- 2004-2006: Pakistan Scouts Cadet College Batrasi Mansehra, Pakistan (SSC (Science)) 961/1050

EXPERIENCE
- Interned at RYK Sugar Mills (July 2011 to August 2011)
- Wrote and presented a review paper on cam-less engines and their feasibility.

AWARDS AND ACHIEVEMENTS
- Awarded Commandant’s Plaque of Excellence in the 5 semesters.
- Secured overall 1st position (gold medal) in Matriculation board exams.
- First ever Pakistani to participate in National Indoor Rowing Championship Birmingham, UK.

FINAL YEAR PROJECT
Hydraulic design, Performance analysis and fabrication of a MIXED FLOW PUMP for marine waterjet propulsion.

SEMESTER PROJECTS
- Designed and fabricated prototype of an oil field pump after complete analysis.
- Investigated Exergy analysis and 2nd law efficiency of steam in piston cylinder assembly.
- Presented a Review paper on cam-less engines and their feasibility.
- Presented the process and usefulness of extracting Nano-diesel from waste.

KEY SKILLS
- Innovative, able to work on own initiative and can deal with administrative duties competently.
- Team player, I also worked with the team of 40 students to fabricate a golf cart.
- Possess excellent decision-making and time management skills.

EXTRACURRICULAR ACTIVITIES
- Playing Cricket and basketball
- I like reading about and working on new technologies

REFERENCES
Available on demand.
Aleen Zehra

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way..

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Mechanical Engineering) CGPA: 3.08
2008- F.G College for women F-7/2 Islamabad Pakistan
(HSSC (Pre-Engineering)) 893//1100
2006- Islamabad Model College for Girls F-10/2 Islamabad
(SSC (Science)) 870/1050

EXPERIENCE
1- Four week internship at Shanghai oils Limited

AWARDS AND ACHIEVEMENTS
1- 313th merit position in NUST entrance test
2- Have been securing A+ grade throughout

FINAL YEAR PROJECT
Harvesting energy from vortex induced vibrations

SEMESTER PROJECTS
1- Chassis design and stress analysis of a four wheeler cart.
2- Design and compute the stresses of an intake manifold of 800cc vehicle
3- Design and fabricate hand cuffs
4- Estimation of the stresses of a 1.2MW wind turbines tower
5- Power estimation of a reaction steam turbine
6- Estimation of power extracted from parabolic type solar cooker
7- Estimation of stresses in plastic using polariscope (photo elastic stress analysis)

TECHNICAL SKILLS
1- Programming language: C++
2- Applications: in Auto-cad, Pro-e, P-Spice, EES, Ansys, Matlab, CNC simulator, and APT and solid works.

EXTRACURRICULAR ACTIVITIES
1- Director of legal affairs ASME (EME student chapter)
2- Member of Tarteel club SPAL
3- Worked as an organizer of ICAMS 2011
4- Worked as an organizer of ICESE 2010

REFERENCES
Col Prof Dr Waheedul Haq
Ayesha Shafi

OBJECTIVE
Seeking for a full time position as a graduate mechanical engineering role where for a leading organization where design, product development, manufacturing and packing is important.

EDUCATION

2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Mechanical Engineering) CGPA: 3.56

2008- Kinnaird College, Lahore, Pakistan
(HSSC (Pre-Engineering)) 974/1100

2006- Lahore Grammar School,Lahore, Pakistan
(O-levels) 6 A’s

EXPERIENCE

1. Four weeks internship at DESCON Engineering Limited, Lahore Pakistan.
2. Four weeks internship at Nespak, Lahore, Pakistan

AWARDS AND ACHIEVEMENTS

1- Designed and fabricated RC plane -Got 2nd position in DBFC-VI (national competition)
2- 4 pointer in 1st semester
3- Scholarship holder for first two semesters
4- Math’s Award throughout school life
5- Deputy Technical of ASME- NUST (Student Chapter)
6- General Secretary for Women Sports in SAS (university society)
7- Basketball ( EME team captain)
8- Swimming (Provincial Level)

FINAL YEAR PROJECT
Harvesting energy from vortex induced vibrations

SEMESTER PROJECTS

1- Chassis design and stress analysis of a four wheeler cart.
2- Design and compute the stresses of an intake manifold of 800cc vehicle
3- Design and fabricate hand cuffs
4- Estimation of the stresses of a 1.2MW wind turbine’s tower
5- Power estimation of a reaction steam turbine
6- Estimation of power extracted from parabolic type solar cooker
7- Estimation of stresses in plastic using polariscope (photo elastic stress analysis)

TECHNICAL SKILLS
Proficient with Office, Auto-CAD, Inventer, ProE, Matlab, Gambit

EXTRACURRICULAR ACTIVITIES

1- Sketching and painting.
2- Volunteer work under the umbrella of “NUST Volunteers Club (NVC).
3- Performing arts and have performed in various plays at school and college and have directed MIME

REFERENCES

Col Prof Dr Waheedul Haq
ABDUL SAIM

OBJECTIVE
Looking for work in an organization where I can utilize my potentials and grow my professional and technical skills. I would like to prove to be functional and constructive for the organization.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
   BS in Mechanical Engineering   CGPA: 3.12
2006-2008 FG SirSyed College, the Mall road, Rawalpindi, Pakistan
   HSSC (Pre-Engineering)   Marks: 859/1100
2004-2006 Govt. High School, Dhurnal, Chakwal, Pakistan
   SSC (Science)   Marks: 895/ 1050

EXPERIENCE
Four weeks internship training at Heavy Mechanical Complex, Taxila, Pakistan.

AWARDS AND ACHIEVEMENTS
1. Scholarship holder in 4th semester on Academic basis.
2. Maintained the 2nd position from class one to metric [school education (1996-2006)]

FINAL YEAR PROJECT
Design A Heat Exchanger for Computing Clusters

SEMESTER PROJECTS
2. Manufacturing of pressure vacuum pump.
3. Design & Analysis of thrust bearing by using pro-e software.
4. Design a car jack for Honda City
5. Design & Fabrication of Tape Float Gauge for the measurement of level of the water

TECHNICAL SKILLS
1. Programming languages:, C/C++, VC++
2. Applications: Pro Engineer, Ansys, Matlab, AutoCAD, MS Office, PSpice,

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Computer Softwares.
2. Sports (Cricket, Football)

REFERENCES
Dr Syed Waheed-ul- Haq
HOD of Mechanical Department, College of E & ME, NUST.
BILAL TARIQ

OBJECTIVE
Working in a dynamic environment where I could effectively contribute towards achieving the organizational goals and to broaden my horizon by complementing my theoretical knowledge with practical experience.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Mechanical Engineering) CGPA: 2.71
2008- Garrison Degree College Lahore Cantt
(HSSC (Pre-Engineering)) 883/1100
2006- Garrison Academy Lahore Cantt
(SSC (Science)) 868/1050

EXPERIENCE
1. Eight weeks internship at MOL Pakistan Oil & Gas Co B V’s Central Processing Facility, Karak, Pakistan.

AWARDS AND ACHIEVEMENTS
1. College Vice President of Society for Promotion of Arts & Literature (SPAL) Administration Wing, at NUST (E&ME).
2. Director Admin Of Technical events American Society Of Mechanical Engineers at Eme Olympiad 2011.
3. Deputy Director logistics of Eme Olympiad 2010.

FINAL YEAR PROJECT
Designing, manufacturing and testing of the composite canoe.

SEMESTER PROJECTS
2. Theory of Machines: Designed and manufactured Crank-Slider Mechanism using Working Model 2.0.
4. Refrigeration & Air Conditioning: Calculated cooling load for University MI(ward).

TECHNICAL SKILLS
Pro Engineer, ABAQUS 6.10, AutoCAD, Engineering Equation Solver (EES), MD Solids, C++, MS Office

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Debates Poetry & Reading.
2. Sports (Cricket, Hockey, Tennis, Table Tennis, Squash, Polo, Swimming)

REFERENCES
Prof Dr Rizwan Ahmed
Muhammad Bilal Naseer Minhas

OBJECTIVE
Seeking a position in a prestigious and esteemed organization that warrants an opportunity to not only learn but also demonstrate skills acquired over the course of my professional studies.

EDUCATION
- 2008-Present: College of E & ME, NUST, Rawalpindi, Pakistan (BS in Mechanical Engineering) CGPA: 2.55
- 2007- : Garrison Degree College Lahore Cantt. (HSSC (Pre-Engineering)) 854/1100
- 2005- : Garrison Academy Quetta Cantt. (SSC (Science)) 874/1050

EXPERIENCE
1. Six weeks internship at FFBL, Bin Qasim plant, Karachi Pakistan.

AWARDS AND ACHIEVEMENTS
1. Scored 7.5 band in IELTS exam.
2. Editor of the college magazine from 2005-2007
3. Editor of the school magazine form 2004 to 2005

FINAL YEAR PROJECT
Design and Fabrication of solar powered Stirling engine.

SEMESTER PROJECTS
1. Modeling/ designing and simulation of major tower of a horizontal axis wind turbine.
2. Modeling & analysis of pre-combustion chambers used in Mercedes-Benz(300D) automobiles.
3. Case Study on material selection process for a prosthetic limb.
4. Using EES to verify theoretical calculations of entropy in Thermodynamics project.
5. Wrote a review paper on the variation in performance due to altering stroke ratios in undersquare and oversquare engines.
6. Group project on design of vehicle suspension system.
7. Using Tsol, Gsol software to simulate the effects of solar irradiation & its domestic use.

TECHNICAL SKILLS
Proficient in working with SolidWorks, PRO-E, AutoCad, EES, PROTEUS, MATLAB, PSpice, TSol, GSol, MS Word, Power Point, Excel.

EXTRACURRICULAR ACTIVITIES
1. Interest in reading, swimming, horseback riding.

REFERENCES
 Lt.Col. Dr. Aamer Ahmed Baqai
MUHAMMAD FAHAD

OBJECTIVE
To obtain a position in Graduate Fresh Mechanical Engineer where I can fully utilize my knowledge & contribute towards the growth and expansion of the organization.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan  
(BS in Mechanical Engineering)   CGPA: 3.4
2008- F.G Sir Syed College for Boys Rawalpindi, Pakistan  
(HSSC (Pre-Engineering))   830/1100
2006- Army Public School and College Rawalpindi, Pakistan  
(SSC (Science))   843/1050

EXPERIENCE
1. Five weeks internship at Attock Refinery Limited, Pakistan.

AWARDS AND ACHIEVEMENTS
1. Won GPA based scholarships

FINAL YEAR PROJECT
Design and fabrication of Solar powered Stirling engine

SEMESTER PROJECTS
1. Design and fabrication of electrically controlled mechanical jack
2. Simulation and comparing of reversed Carnot cycle with actual vapor compression cycle using EES.
3. Design and simulation of leaf spring for golf cart.
4. Cooling load calculation of college mosque

TECHNICAL SKILLS
1. Modeling and Simulation Software: AutoCAD, Pro Engineer Wildfire, Solid Works
2. Circuit Designing and Simulation: PSPICE
3. Programming language :C++
4. Microsoft Office :Excel, Power Point, Word
5. Excellent Analytical and Managerial skills
6. Geothermal heat pump designing Software: Ground loop design
7. Solar thermal systems design and simulation software : TSOL
8. Photovoltaic Systems design and Simulation software: PVSOL

EXTRACURRICULAR ACTIVITIES
• Playing Sport like Golf, cricket
• Listening music. Reading Poetry
• Watching various Engineering documentary

REFERENCES
Col Prof Dr Waheed Ul Haq
Muhammad Tayyab Saeed

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way..

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Mechanical Engineering) CGPA: 3.10
2008- F.G Degree College Kharian Cantt
(HSSC (Pre-Engineering)) 837/1100
2006- F.G Boys High School Kharian Cantt
(SSC (Science)) 681/850

FINAL YEAR PROJECT
Design of Heat Exchanger for computing clusters
Working on the system(CPU) used in server rooms in order to find the efficient cooling techniques by adding fins or fans so that it will work more efficiently because components on the motherboard are dissipating a lot of heat that can reduce the efficiency of system and ultimately its performance.

SEMESTER PROJECTS
1. Design, fabrication and manufacture a vehicle for College (E&ME) transport having 4 to 5 seats.
2. Study of spark plugs used in varies vehicles Comparison of Suzuki 800cc and Suzuki LIANA igniter assembly with data acquisition.
3. Calculation of Cooling Load Required by Ante Room (Refrigeration & Air-conditioning project).
4. Study the design of various thrust bearings used in crankshafts of various automobiles.
5.

TECHNICAL SKILLS
1. Programming languages: BASIC, VISUAL C++, 8051 ASSEMBLY,8086 ASSEMBLY(Debugger & Masm), MATLAB, Open CV,
2. Applications: MS Office, Design lab PSPICE, Proteus, Masm615, Keil, AutoCAD, Advanced Design System (ADS), Xilinx, Visual Studio

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Debates Poetry & Reading.
2. Sports (Cricket, Hockey, Tennis, Table Tennis, Squash, Polo, Swimming)

REFERENCES
Lec Saif ullah
OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way..

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan  
(BS in Mechanical Engineering)  CGPA: 3.10
2008- APSACS, Ordinance Road Rawalpindi, Pakistan  
(HSSC (Pre-Engineering))  801/1100
2006- APSACS, Peshawar, Pakistan  
(SSC (Science))  829/1050

EXPERIENCE
1. Four weeks internship training at Askari CNG (AWT).

AWARDS AND ACHIEVEMENTS
1. Got second prize in free style swimming in summer gala.
2. Stood third in Garison golf putting competition.
3. Awarded first prize in rally race on annual sports day.

FINAL YEAR PROJECT
Numerical and experimental study of an unconventional undersea vehicle.

SEMESTER PROJECTS
1. Design and fabrication of a Mechanical Lifter.
2. Study and calculation of the entropy of a closed system using EES.
4. Design of golf cart using Pro-e.

TECHNICAL SKILLS
1. Modeling Software: Pro Engineer Wildfire, Solid Works
2. Circuit Designing and Simulation: PSPICE
3. Microsoft Office :Excel, Power Point, Word

EXTRACURRICULAR ACTIVITIES
1. Playing Sport like Football, Cricket, Badminton and Swimming.
2. Watching various Engineering documentaries relating automobiles and construction.

REFERENCES
Maj. Dr Imran Akhtar
NABEEL HUSSAIN SHAH

OBJECTIVE
To be part of a vibrant, reputed and progressive organization having nurturing culture and offering congenial work environment where my potentials are utilized to optimum

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan (BS in Mechanical Engineering) CGPA: 2.71
2008- Military College Jhelum, Pakistan (HSSC (Pre-Engineering)) 910/1100
2006- Army public college, Sargodha (SSC (Science)) 920/1050

EXPERIENCE
1. 4 Weeks internship at FAUI FERTILIZERS COMPANY (FFC LTD.) PLANTSITE, MIRPUR METHALO.
2. 4 Weeks internship at ICI AKZONOBEL, SODA ASH BUSINESS, KHEWRA

FINAL YEAR PROJECT
Design of Heat exchanger for computing cluster

SEMESTER PROJECTS
1. Design and Fabrication of a Vertical Axis Wind Turbine. (Manufacturing Processes)
2. Deriving correlation equation between cycle efficiency and known system conditions of an Ideal reheat rankine cycle (Thermodynamics).
3. Design and analysis of a car jack of Honda City (Mechanics of materials).
4. Thermal analysis of 800cc Suzuki Thermostat using PRO-E software (IC engines)

TECHNICAL SKILLS
1. ENGINEERING DESIGN TOOLS: Auto CAD, Engineering Equation Solver, PRO-ENGINEER, Ansys
2. Well equipped with management skills.
3. CNC programming

EXTRACURRICULAR ACTIVITIES
1. President Admin Wing for (Society for promotion of arts and literature).
2. Volunteer work in flood affected areas
3. Team leader for volunteer work at PSO HSE CUSTOMER DAY.
4. Deputy President ASME (EME student chapter)
5. Organiser of All Pakistan Declamation Contest at EME NUST.

REFERENCES
Col Prof Dr. Waheed Ul Haq
Usman Ahmed Khan

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan  (BS in Electrical Engineering)  CGPA: 3.08
2008-  Hamza Army Public College, Rawalpindi, Pakistan.  (HSSC (Pre-Engineering))  749/1100
2006-  Hamza Army Public College, Rawalpindi, Pakistan.  (SSC (Science))  901/1050

EXPERIENCE
1. Five week internship at Mechanical Maintenance Department at Fauji Fertilizer, Mirpur Mathello, Pakistan.

AWARDS AND ACHIEVEMENTS
1. GPA based trophy in 3rd semester
2. Won LUMS-PsiFi 2011.

FINAL YEAR PROJECT
• Design and Fabrication of Tilting-Threewheeler.

SEMESTER PROJECTS
1. Real-time simulation of a water-tank
2. Data logging Inclinometer
3. Mechanical Clock
4. Data logging Inclinometer

TECHNICAL SKILLS
1. Programming Languages : C++
2. CAE software: Creo-Elements/Pro-E 5, Ansys, Inventor, MSC-Adams, Fluent and Auto-CAD.

EXTRACURRICULAR ACTIVITIES
1. Play regular football and occasionally play Table tennis, Squash and Basket-ball.
2. Participate in E-gaming tournaments.

REFERENCES
Sir Raja Amir Azeem
Usman Hafeez

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION

2008-Present College of E & ME, NUST, Rawalpindi, Pakistan (BS in Mechanical Engineering) CGPA: 3.48

2008- APSACS,ATTOCK CANTT, Pakistan (HSSC (Pre-Engineering)) 829/1100

2006- APSACS,ATTOCK CANTT, Pakistan (SSC (Science)) 891/1050

EXPERIENCE
1. Performed field work for four weeks, visiting CNG stations. (ARMY WELFARE TRUST)

AWARDS AND ACHIEVEMENTS
1. Got Nust GPA based scholarships FIVE times.
2. Among the top twelve undergraduates of my batch.

FINAL YEAR PROJECT
Design of a heat exchanger with computing cluster.

SEMESTER PROJECTS
1. Study the design of carburetor of M48 vehicle and give improvements on it.
2. Study the different designs and types of condensers used in power plants.
3. Study the material used in making the exterior of go cart body.
4. Design and fabricated a floor security system.

TECHNICAL SKILLS
1. Modeling and Simulation Software: Pro Engineer Wildfire
2. Circuit Designing and Simulation: PSPICE
3. EES
4. Programming language :C++
5. Microsoft Office :Excel, Power Point, Word

EXTRACURRICULAR ACTIVITIES
1. Playing Sport like Football, Cricket, Badminton and Squash.
2. Doing running and working out in gymnasium.

REFERENCES
Sir Saifullah Khalid.
ALI ABBAS CHEEMA

OBJECTIVE:
I want to seek a position within the Industry by achieving the ample opportunity of learning and hence playing an important role in the success of Organization.

EDUCATION:
2008- Present, College Of E&ME, NUST, Rawalpindi, Pakistan.
   BE Mechatronics Engineering   CGPA: 3.05
   F.SC (Pre-Engineering)   877/1100
   SSC (Science)   967/1050

EXPERIENCE:
1. Four weeks internship training Program, regarding trainee engineer at DESCON, Lahore

AWARDS & ACHIEVEMENTS:
1. Talent scholarship by BISE Gujranwala in 2007
3. Captain College Cricket Team.

FINAL YEAR PROJECT:
1. Unmanned Autonomous Air Vehicle

SEMESTER PROJECTS:
1. Sequential batch process for Part repainting, using PETRA PLC.
2. Design and implementation of H-bridge circuit.
4. Part programming & manufacturing on CNC Lathe machine.
5. Member of the Team who designed and Controlled Robotic Arm
6. Participated in National Engineering Robotics Contest (NERC-2011)

TECHNICAL SKILLS:
2. Industrial tools: CNC Lathe & Milling, PETRA PLC, LABVOLT 5-DOF Robotic Arm.

EXTRA-CURRICULAR ACTIVITIES:
1. Sports (Table Tennis, Cricket, football).
2. Member of Conducting team, NERC 2009.
3. General Secretary of Sports And Adventure Society (SAS)

REFERENCES:
1. BRIG. Dr Javed Iqbal HOD, Mechatronics Department
OBJECTIVE:
I am seeking an entry level engineering position in a company that will allow me to apply and enhance my skills of being a Mechatronics Engineer. It is my Desire to gain quality experience that will allow me to become an expert in my field.

EDUCATION:
2008- Present, College of E&ME, NUST, Rawalpindi, Pakistan.
BE Mechatronics Engineering    CGPA: 2.7
HSSC (Pre-Engineering) 73%
SSC (Science) 83%

EXPERIENCE:
1. Completed LabVIEW basic training at NI LabVIEW Academy, SMME, NUST.
2. July 18, 2011 to August 22, 2011, Interned at Instrument Department of FFC.

ACHIEVEMENTS:
1. Stood First in Line tracking competition 2011 held in College of EME.
2. Stood 3rd in All Pakistan qualifying round of IIT Techfest robotics contest 2012.

FINAL YEAR PROJECT:
1. Developing control of an Unmanned Ground Vehicle (UGV) capable of carrying a manipulator using:

SEMESTER PROJECTS:
1. Sequential batch process for Pizza making oven, using PETRA PLC.
2. Closed Loop control of obstacle avoidance differential drive robot.
3. Design and implementation of H-bridge circuit.
5. Part programing & manufacturing on CNC Lathe machine.
7. LCD and Keypad interface with microcontroller.
8. Minesweeper game in C++.

TECHNICAL SKILLS:
2. Industrial Skills: LabVIEW, NI CompactRIO, LabVolt 5250, Rhino XR4, ABB 2400, CNC Lathe and milling machine, PETRA and PLC ML1500 and Workspace 5.

EXTRA-CURRICULAR ACTIVITIES:
1. Programming, playing indoor and outdoor games, Reading books and traveling.

REFERENCES:
1. BRIG. Dr Javed Iqbal HOD, Mechatronics Department
OBJECTIVE
A competent Mechatronics Engineer with excellent communication, organisation and co-ordination skills. Highly focused, possessing a good team spirit, with a proven ability to work under tight schedules, currently looking for a suitable position with a progressive company, willing to relocate if necessary.

EDUCATION
2008-Present College of E&ME (NUST), Rawalpindi, Pakistan
BE Mechatronics Engineering CGPA 3.17
2006-2008 FG Sir Syed College, The Mall, Rawalpindi
Intermediate- Pre. Engineering 857/1100
2005-200 Roots Montessori & High School, Rawalpindi
Matriculation- Science 894/1050

EXPERIENCE
1. Internee, Heavy Electrical Complex, Hattar (2010)
-8 weeks internship training on manufacturing of transformers

AWARDS AND ACHIEVEMENTS
1. Head Boy, Roots Montessori & High School, 2005-06
2. GPA based scholarship in 2nd Semester, 2009
3. Winner Robosprint Contest (NASCON), 2011

FINAL YEAR PROJECT
1. MYO Prosthetic limb
2. Body powered Prosthetic limb

SEMESTER PROJECTS
1. Autonomous robot capable of line tracking and colour sensing
2. PLC based oven control system
3. Propeller Clock

TECHNICAL SKILLS
1. Microsoft Office, C++ programming, Pro-E, CNC, Proteus, Workspace
2. Three weeks short course on Hydraulics and Pneumatics, 2012
3. Two weeks short course on PLC and SCADA, 2012

EXTRACURRICULAR ACTIVITIES
1. Participated in National Engineering Robotics Contest (NERC), 2010 & 2011
2. Participation in UNESCO ASPnet International Events, 2005
3. Participation in WWF Nature Carnival, Holder of All Round trophy, 2005
4. Participation in EFA (Education for All) Campaign, 2005
5. Contributions towards preparations & conduct of 9th SAF Games, Islamabad

REFERENCES
• Available upon request
ARBAB SHAHID

OBJECTIVE:
In quest of enriching an opportunity in the field of engineering, with an esteemed organization, where I can explore and develop my skills to help achieve organizational goals.

EDUCATION:

2008- Present, College Of E&ME, NUST, Rawalpindi, Pakistan.
BE Mechatronics Engineering  CGPA:  2.83

2005-2008, Bloom Field Hall, MULTAN
O LEVELS (Pre-Engineering)  853/1100

2003-2005, Bloom Field Hall, MULTAN
A LEVELS (Science)    653/850

EXPERIENCE:

1. Four weeks internship training Program, Automation Department, NESTLE.

AWARDS & ACHIEVEMENTS:

2. Runners-up ROBO SPRINT NASCON 2011.

FINAL YEAR PROJECT:

1. MYO Electric Prosthetic Limb using ADS1298.

SEMESTER PROJECTS:

1. Sequential batch process for Part repainting, using PETRA PLC.
2. Design and implementation of H-bridge circuit.
4. Part programing & manufacturing on CNC Lathe machine.
5. Design and fabrication of Indigenous Line follower robot, able to pick and place boxes at desired locations. (NERC2011).

TECHNICAL SKILLS:

1. Engineering Tools: C, C++, AUTOCAD, PRO-E & SolidWorks, PROTEUS, ORCAD,DIPTRACE, PS-PICE, KEIL,AVR STUDIO, MATLAB, ANSYS, ABAQUS.
2. Industrial tools: CNC Lathe & Milling, PETRA PLC, LABVOLT 5-DOF Robotic Arm.

EXTRA-CURRICULAR ACTIVITIES:

1. Sports (Squash, Table Tennis, Cricket, football).
2. Event Head Squash & Table tennis, EME Olympiad 2011.
3. In charge of Measurements team, NERC 2010.

REFERENCES:

1. BRIG. Dr Javed Iqbal HOD, Mechatronics Department, NUST, CEME
AUSAMA NAWAZ

OBJECTIVE

To acquire position as a Trainee Engineer in a reputable organization where I can utilize my potential and become an asset for the organization.

EDUCATION

2008-Present College of EME, NUST, Rawalpindi, Pakistan
   BE Mechatronics CGPA: 2.83/4.00
2006-2008 Army Burn Hall College, Abbottabad, Pakistan
   HSSC (Pre-Engineering) 831/1100
2004-2006 Army Burn Hall College, Abbottabad, Pakistan
   SSC (Science) 878/1050

FINAL YEAR PROJECT

1. INTELLIGENT CONTROL OF MOBILE ROBOTS USING SMART-PHONES
   Control and navigation of mobile robots using Smart-Phones only.

SEMESTER PROJECTS:

1. Line Tracking (Team Project) - Control Systems application in an Autonomous Robot
2. C++ based cricket simulator (Team Project)
3. Frequency counter (Team Project) – using logic circuitry and implementation of wave shaping to allow wide range of input waveforms.
4. Design and Fabrication of a Picking/Placing robotic mechanism

TECHNICAL SKILLS


REFERENCES
Available on request.
FAISAL MEHMOOD KHAN

OBJECTIVE:
To enhance my skills in a work related environment and learn new things that will make me a better professional. Use my talents by putting them into good use for the benefit of the organization that I work for. Focus on management related job in conjunction with an engineering base. Therefore, focused more on university societies in order to gain invaluable experience regarding management related tasks. Successfully attained the following posts:
• Director NUST Science Society, College of EME chapter
• Director HR American Society of Mechanical Engineers, College of EME chapter
• President Literary Club
• Chief of Operations for departmental yearbook committee

EDUCATION:
2008-Present College of EME, NUST, Rawalpindi, Pakistan
BE Mechatronics Engineering CGPA 2.11
2006-2008 Aga Khan Higher Secondary School, Karimabad, Karachi, Pakistan
FSc (Pre-Engineering) 830/1100
Till 2006 The C.A.S School, DHA Phase 8, Karachi, Pakistan
O levels 5As and 5Bs

AWARDS AND ACHIEVEMENTS:
140th merit position in NUST entrance test. Academic Scholarship for the 1st and 2nd semester.

FINAL YEAR PROJECT:
Design and fabrication of an Unmanned Aerial Vehicle

SEMESTER PROJECTS:
Motor response control by implementing a PID compensator
Design and fabrication of an autonomous line tracking robot for participation in NERC
Interfacing of RS485 with a multi-microcontroller setup including integration of Liquid Crystal Displays.

TECHNICAL SKILLS
C++, AutoCAD, MDSolids, PSpice, Proteus, Orcad, AVR Studio, MS Office and all constituent softwares, MS Visual Basic, Segate Crystal Reports, MATLAB, Pro Engineer, Assembly Language.

EXTRACURRICULAR ACTIVITIES
Extensive interest in computer hardware, Inter-department Basketball team member, Active member of dramatics, Director HR ASME, President NUST Science Society EME chapter, President Literary Club, Chief Operations of Departmental Yearbook Committee, Active member of E-Gaming tournaments.
OBJECTIVE:
To obtain a challenging job in a company where talent & professional ability can be put to the most effective use in the benefit of the company and that can really excel my capabilities and enhance my professional skills.

EDUCATION:
2008- Present, College of E&ME, NUST, Rawalpindi, Pakistan.
   BE Mechatronics Engineering CGPA: 3.42
   HSSC (Pre-Engineering) 935/1100
   SSC (Science) 984/1050

EXPERIENCE:
• 8 weeks internship at Heavy Electrical Complex, Hattar (2010)
• 4 weeks internship at Pakistan Telecommunication Company Limited (2010)

AWARDS & ACHIEVEMENTS:
• Represented NUST with my FYP in Pak-China Business Forum, 2012
• 3rd Position in Federal Board in SSC and won BRONZE medal

FINAL YEAR PROJECT:
• MYO Prosthetic limb
• Body Powered Prosthetic Limb

SEMESTER PROJECTS:
1. Digital Thermometer.
2. Part programming & manufacturing on CNC Lathe machine.
3. Design and fabrication of Indigenous, autonomous Line follower robot, able to pick and place colored boxes at desired locations, (NERC2011).

TECHNICAL SKILLS:
1. Engineering Tools: C++, PROE, PROTEUS, KEIL, AVR STUDIO, MATLAB, WORKSPACE, ROBOCIM
2. Industrial tools: CNC Lathe & Milling, PETRA PLC, LABVOLT 5-DOF Robotic Arm

EXTRA-CURRICULAR ACTIVITIES:
1. Sports (Cricket and Football).
2. Member of Conducting team, NERC 2010.

References available upon request
House number 102-D, D Block, Model Town, Lahore, Pakistan.
Mobile: 0092-323-4189896
Email Address halimibrahim@hotmail.com

HALIM IBRAHIM BAQAPURI

OBJECTIVE:
To work in an organization which offers a professional and healthy working environment and enables me as a fresh graduate to grow and learn while meeting the cooperation’s goals as well.

EDUCATION:
2008 Present College of EME, NUST, Rawalpindi, Pakistan
BE Mechatronics CGPA: 3.39
2006-2008 Islamia English School, Abu Dhabi, U.A.E.
Edexcel A-level Math/Physics/Chemistry
Edexcel O-levels

AWARDS AND ACHIEVEMENTS:
1. Have been awarded NUST scholarship in 6th semester.
2. First Runner’s Up in Robotics Line Tracking Competition
3. First place holder in mini-NERC
4. GPA based Scholarship in 5th and 7th semesters

FINAL YEAR PROJECT:
1. FYP in strategy-development (Artificial Intelligence) and path planning for Robocup.

SEMESTER PROJECTS:
1. Team Project - Control Systems application in Robotic Movement using Line Tracking Sensors and Micro-Controller Driven Motors
2. Fabrication of Color Sensors using logic circuitry
3. Team Project - Frequency Counter using only logic IC’s and wave shaping IC’s to allow any shape of input wave form.
5. Team Project – Controlling Speed and Measuring RPM of Motor using Mat-Lab on a Microsoft Windows PC with Parallel Communication.
6. Team Project – Fabrication of an IC tester using Micro-Controllers with Keypad as input and LCD as output

TECHNICAL SKILL:
3. Simulation Tools: Proteus, PSPICE, MATLAB.

CO-CURRICULAR ACTIVITIES:
1. Keen interest in Micro Electro-Mechanical Systems (MEMS)

REFERENCES:
References are available on request.
HAMD UL MOQEET RIAZ

OBJECTIVE:
To utilise my potential as a Mechatronics engineer to the maximum; while working in an organisation that provides a most conducive environment to hone my skills.

EDUCATION:
2008-Present National University of Science and Technology, CE&ME
BE Mechatronics Engineering CGPA 3.30
2006-2008 Roots College International, Rawalpindi
Advanced Levels (Pre Engg.) 915/1100
2003-2006 Army Public School and College, Rawalpindi
Ordinary Levels (Sciences) 753/900

EXPERIENCE:
1. Four weeks internship training Program, regarding UGV at CE&ME, NUST.

AWARDS AND ACHIEVEMENTS:
2. High Achievers Award by US Ambassador to Pakistan, W. Anne Patterson.

FINAL YEAR PROJECT:

SEMESTER PROJECTS:
1. Electronics: Power supply, Motor Drives H-bridge, Buck/Boost convertor
2. Microcontrollers: PID Motor control, Color sensing, LCD interfacing, 7 segment Displays, ADC, DAC, Multiprocessor Communication, PC serial Communication

TECHNICAL SKILLS:

CO-CURRICULAR SKILLS:
1. A Proficient Guitar player and performed in large audience in different events.
2. Completed a project of 3D Modeling of a Museum using 3ds Max.

REFERENCES:
1. BRIG. Dr Javed Iqbal HOD, Mechatronics Department, NUST, College of E&ME.
OBJECTIVE:
I am seeking a career in a vibrant firm which provides chances to augment my technical and managerial skills and offers me with opportunities for my professional growth.

EDUCATION:

2008- Present, College Of E&ME, NUST, Rawalpindi, Pakistan.
BE Mechatronics Engineering CGPA: 2.93

2006-2008, University College Lahore, Lahore
A LEVELS (Pre-Engineering) 1A, 2B, 1C

2003-2006, Bloom Field Hall, Lahore
O LEVELS (Science) 7A, 1B

EXPERIENCE:
1. Four weeks internship training program, Descon.

AWARDS & ACHIEVEMENTS:
1. 2nd runners up Line Tracking Competition 2011.

FINAL YEAR PROJECT:
1. MYO Electric Prosthetic Limb using ADS1298.

SEMESTER PROJECTS:
1. Sequential batch process for Part repainting, using PETRA PLC.
2. Design and implementation of H-bridge circuit.
4. Part programing & manufacturing on CNC Lathe machine.
5. Design and fabrication of Indigenous Line follower robot, able to pick and place boxes at desired locations. (NERC2011).

TECHNICAL SKILLS:
1. Engineering Tools: C, C++, AUTOCAD, PRO-E & SolidWorks, PROTEUS, ORCAD, PSPICE, KEIL,AVR STUDIO, MATLAB.
2. Industrial tools: CNC Lathe & Milling, PETRA PLC, LABVOLT 5-DOF Robotic Arm.

EXTRA-CURRICULAR ACTIVITIES:
1. Nust colour holder for cricket 2011-2012
2. Event Head Cricket, EME Olympiad 2011.
3. President Interact club of Lahore Garrison.

REFERENCES:
1. BRIG. Dr Javed Iqbal HOD, Mechatronics Department
OBJECTIVE
Exercise and enhance engineering skills and excel as a design engineer in a progressive organization.

EDUCATION
2008-12 College of Electrical & Mechanical Engineering, NUST, Rawalpindi, Bachelors in Mechatronics Engineering CGPA 3.53/4.00
2006-08 HSSC F.G Sir Syed College, The Mall Rawalpindi 882/1100
2004-06 SSC Sideeq Public School, 6th Road, Rawalpindi 881/1050

EXPERIENCE
1. Four weeks internship experience at School of Mechanical and Manufacturing Engineering(SMME) NUST on Mobile Robotics (July, 2011-August 2011).

AWARDS & ACHIEVEMENTS
1. Represented Pakistan in MAGNETO, TECHFEST 2012, organized by Indian Institute of Technology, Bombay, India (secured 2nd position).

FINAL YEAR PROJECT

SEMESTER PROJECTS
2. Cigarette manufacturing system on PETRA PLC.
3. Part programing & manufacturing on CNC Lathe machine.
4. Implementation of PID Controls on motor using Encoder’s feedback on MATLAB.

TECHNICAL SKILLS
1. Programming Languages: MATLAB/C++/AVRStudio/Assembly
2. Applications: Pro-Engineering/Solidworks/AutoCAD/Keil uVision/Labview/ WorkSpace/RoboCim/Proteus/Orcad/Diptrace.

EXTRACURRICULAR ACTIVITIES
1. Organizing member for NERC 2010.
2. Supervisor of a team participating in NERC 2012

REFERENCES
1. Brig. Dr. Javaid Iqbal
2. Lt Col. Dr. Kunwar Faraz Ahmed.
MAARIGE MUNIR AWAN

OBJECTIVE
Looking for a job with a well reputed organization in order to apply and enhance my technical and management skills which I have acquired during my academic career.

EDUCATION
2008-Present, College of Electrical & Mechanical Engineering, NUST, Rawalpindi, Pakistan- Bachelors in Mechatronics Engineering CGPA 3.63/4.00
2006-08, FS.c, PAF Public School Lower Topa 908/1100
2004-06, Matric, PAF Public School Lower Topa 908/1050

EXPERIENCE
1. On hands working internship experience in Schlumberger (July-August 2010)
2. Four weeks internship experience in National Telecommunications Corporation (July-August 2011)

AWARDS & ACHIEVEMENTS
1. Academic Scholarship (NUST)(five times)
2. Selection in ISSB for Pakistan Air Force in 127 GD(P)
3. Founding member of EME constitution Drafting Committee

FINAL YEAR PROJECT
1. Intelligent DRiving System(IDRIS) for outdoor environments

SEMESTER PROJECTS
1. NERC line tracking & Color Sensing Robot
2. Automatic bottle refilling and capping system on PETRA PLC.
3. Part programing & manufacturing on CNC Lathe machine.

TECHNICAL SKILLS
1. Programming Languages: MATLAB/C++/AVRStudio
2. Applications: Pro-Engineering/ Keil uVision/Labview/ WorkSpace/RoboCim

EXTRACURRICULAR ACTIVITIES
1. Sports (Squash, Table Tennis, Cricket, football)
2. Debating, Member of college debating society

REFERENCES
1. Brig. Dr. Akhtar Nawaz Malik
2. Brig. Dr. Javaid Iqbal
Objective:
To use and nurture my technical and managerial skills in a well reputed dynamic organization, which also allows growth as a professional.

Education:
BE Mechatronics Engineering
College of Electrical Engineering, NUST  CGPA: 3.44
Intermediate  KRL Model College  Grade: A

Final Year Project:
1. To develop an intelligent control of an Unmanned Ground Vehicle (UGV) and a Robotic Arm.

Semester Projects:
1. Manufactured a theme based line following robot.
2. Implementation of a PID on differential drive obstacle avoidance robot.

Workshop:
1. LabView (CORE-I) organized by SMME, NUST

Technical Skills:
1. Experience of working on PLC (using RS Logix)
2. Experience of working on FPGA and cRIO (using LabView)
3. ProE, Auto CAD
4. AVR Studio, Keil, C++
5. Workspace, Proteus, DIP Trace

Organizational Skills:
1. Director HR for EME Olympiad 2011
2. Vice President of Sports and Adventure Society (SAS) 2011-12

Achievements:
1. Won Line tracking competition 2011 held in CE&ME, NUST.
2. Got 3rd position in line following robotics competition held in LUMS, qualifier of TechFest’11, IIT Bombay.
3. Played Badminton at National Level.
4. Declared Best Player of Badminton throughout College and University level.

Co-curricular Activities:
1. Sports (Badminton, Squash, Tennis)
MOHSIN SHAHEER ALI

OBJECTIVE
To acquire position as a Trainee Engineer in a reputable organization where I can utilize my potential and become an asset for the organization.

EDUCATION

2008-Present College of EME, NUST, Rawalpindi, Pakistan
   BE Mechatronics                       CGPA: 3.52
2006-2008 FG Sir Syed College, The Mall, Rawalpindi, Pakistan
   HSSC (Pre-Engineering)                896/1100
2004-2006 Army Public School Westridge 3, Rawalpindi, Pakistan
   SSC (Science)                        906/1050

AWARDS AND ACHIEVEMENTS
1. Winner of robo-race at NASCON 2011 held at FAST Islamabad.
2. 1st runner up of line tracking competition at NUST College of EME.
3. Winner of mini-NERC competition held at NUST College of EME.
4. Made it to the final round (top 20 teams) in NERC 2011 held at NUST College of EME.

FINAL YEAR PROJECT
1. SEGWAY ELECTRIC VEHICLE
   A two wheeled self balancing electric vehicle.

TECHNICAL SKILLS
2. Certified Associate in PLC and SCADA (CAPS) from SEECS NUST in collaboration with BIS (Buraq Integrated Solutions).

REFERENCES
Available on request.
MUHAMMAD ADNAN

OBJECTIVE:
To enhance my skills in a work related environment and learn new things that will make me a better professional. Use my talents by putting them into good use for the benefit of the organization that I work for. Focus on management related job in conjunction with an engineering base.

EDUCATION:
2008-Present College of EME, NUST, Rawalpindi, Pakistan
   BE Mechatronics Engineering  CGPA 2.94
2006-2008 Punjab College, Multan, Pakistan
   FSc (Pre-Engineering)  828/1100
2004-2006 Army Public Degree College
   Matric (Science)  861/1050

AWARDS AND ACHIEVEMENTS:
Winner Line Tracking Competition held at NUST
Stood 3rd in IIT Bombay Event Qualifier in Pakistan held at LUMS
Working on a project funded by Pakistan Army

FINAL YEAR PROJECT:
Implementation of control on an Un-manned Ground Vehicle Using NI’s CompactRIO Platform and LabView

SEMESTER PROJECTS:
Design and fabrication of 3 autonomous line tracking robots for participation in NERC
Motor response control by implementing a PID compensator
Banking Transaction Software using Cpp
Keyboard control Vehicle using microcontrollers

TECHNICAL SKILLS
LabView, SolidWorks, Pro Engineer, C++, AutoCAD, MDSolids, PSpice, Proteus, AVR Studio, MS Office and all constituent softwares, MS Visual Basic, MATLAB, Pro Engineer, Assembly Language.

EXTRACURRICULAR ACTIVITIES
Extensive interest in current affairs, Volunteer in NUST Volunteer Club, Member of Year Book Committee

REFERENCES
To be provided on demand
OBJECTIVE:
To secure a position in an organization which provides an opportunity to foster my engineering and managerial skills in a competent and fair environment and to grow as a sound professional as per the norms of modern corporate culture.

EDUCATION:
2008- Present, College of E&ME, NUST, Rawalpindi, Pakistan.
BE Mechatronics Engineering CGPA: 2.70
FSc Pre Engineering 893/1100
2004-2006, Sideeq Public School, 6th Rd, Rawalpindi.
Matriculation (Sciences) 884/1050

EXPERIENCE:
Internship at OGDCL Well Logging Department

AWARDS & ACHIEVEMENTS:
1. Academic Scholarship from Board of Intermediate and Secondary Education Rwp.

FINAL YEAR PROJECT:
1. Intelligent Driving System for Unmanned Mobile Robots to be used in search and rescue operations.

SEMESTER PROJECTS:
1. Sequential batch process for Part repainting, using PETRA PLC.
2. Design and implementation of H-bridge circuit.
4. Part programing & manufacturing on CNC Lathe machine.
5. Design and fabrication of Indigenous Line follower robot, able to pick and place boxes at desired locations. (NERC2011).

TECHNICAL SKILLS:
2. Industrial tools: CNC Lathe & Milling, PETRA PLC, LABVOLT, 5-DOF Robotic Arm.

EXTRA-CURRICULAR ACTIVITIES:
1. Senior member of Arena Management Team, NERC 2010.
2. Table Tennis player.

REFRENCES:
1. BRIG. Dr. Javed Iqbal, HOD, Mechatronics Department.
OBJECTIVE:
Multidisciplinary engineering design of novel electronic devices using teamwork, mechanical engineering, electrical and computer science skills.

EDUCATION:
   BE Mechatronics Engineering
   A - Level (Pre-Engineering) 825/1100
2004-2006, Crescent Model Higher Secondary School, Lahore, Pakistan
   O - Level (Science) 893/1100

EXPERIENCE:
1. Five years, regarding supply chain in Textile chemicals at Tawakkul Trading Company Office based in Lahore.

AWARDS & ACHIEVEMENTS:
1. Runner up in Magneto Techfest I.I.T Bombay, India.
2. Won SPADES Qualifying for Techfest held at LUMS, Pakistan.
3. Supervisor for a group of 5 individuals for NERC.

FINAL YEAR PROJECT:
1. Unmanned Air Vehicle, a system to be developed for autonomous navigation and control of low scale air vehicle specifically for Surveillance.

SEMESTER PROJECTS:
1. Beverage drink processing and storage on PETRA PLC.
2. Design and implementation of H-bridge circuit.
4. Part programing & manufacturing on CNC Lathe machine.
5. Fabrication of an Autonomous line following robot for NERC 2011.
6. Fabrication of a wireless controlled robot controlled by the wrist movement 2011.

TECHNICAL SKILLS:
2. Industrial tools: CNC Lathe & Milling, PETRA PLC, LABVOLT 5-DOF Robotic Arm.

EXTRA-CURRICULAR ACTIVITIES:
1. Sports (Cricket, Table Tennis, Cricket, football)
2. Member PR committee for EME Olympiad.
3. Senior team manager for NERC.

REFERENCES:
1. DR Javeed Iqbal HOD Mechatronics Dept, College Of E&ME, NUST +92-51-9278044.
2. DR Umar Izhar Assistant Professor Mechatronic Department, 051-9278050 (Ext 4412).
Muhammad Fawaz Mirza

Career Objectives:

- A challenging career as a Mechatronics Engineer.
- Prove proficiency, professionalism and creativeness through strong communication, management, organizational and problem solving skills.

Educational Qualifications:

- 2008-present B.E Mechatronics Engineering
  National University of Sciences & Technology (EME College Campus), Islamabad

- 2006-2008 F.Sc(Pre-Engineering) and SSC Grades A
  Fazaia Degree College, Peshawar.

Internship:

- 2011 Internship at Integration Department
  Kamra Avionics and Radar Factory, Pakistan Aeronautical Complex, Kamra.

Projects:

- FYP : A wirelessly user-controlled video feedback machinegun MG1A3 mount compatible with UGV’s /ULV’s
- Designed, constructed and programmed a robot which tracks line, picks and places boxes of different colours by sensing their colour.
- A wall-detecting small level maze solving AI programmed robot with a mechanism that places colored balls in their respective colored boxes.
- Constructed ADC, DAC and serial communication circuits on PCB compatible with the Microcontroller.
- Designed a tachometer for a DC motor showing graphical output on PC through Parallel COM port.

Technical Skills:

- VisualC++ Keil uvision(8051 prog.) AVR Studio(AVR prog.)
- Proteus 7.X PSpice
- MATLAB
- Lab Volt Workspace(A robotic simulator) CNC simulator
MUHAMMAD HAMMAD

➢ Career Objective:
To work in a conducive environment where I can apply and intensify my engineering related knowledge and to build my skills for future competitive positions.

➢ Educational Summary:
❖ Undergrad Studies:
  2008-2012: BE Mechatronics Engineering
  College of Electrical & Mechanical Engineering (EME) NUST Pakistan; CGPA 2.50 (1st div)
  Ranked top Pakistani Engineering University by QS World University Ranking UK
  Graduate Assessment Test: 82/100, Percentile: 99.66%
❖ F.Sc (Pre-Engineering):
  IMCB G10/4 Islamabad; 764/1100 (1st div)
❖ Matriculation:
  IMCB G10/4 Islamabad; 904/1050 (1st div)

➢ Software Skills:
  AutoCad, CNC Simulator, Pro E, C++, Mat lab, LabVolt, Keil µVision, MS Powerpoint/Excel

➢ Projects:
  ❖ Worked on Robot Making to participate in National Engineering Robotic Contest 2011.
  ❖ Worked on project ‘Water Level Sensor’ using microcontrollers and applied it successfully on HAIER washing machine.
  ❖ Worked on the making Digital Clock and Power Supply.
  ❖ Worked extensively on motor control using H_Bridges and PCB designing.
  ❖ Worked on CNC machine to make various work pieces.
  ❖ Final Year Project: Tendon Actuated Prosthetic Hand

➢ Interests & Hobbies:
  ❖ Playing and watching football.
  ❖ As an active member of NUST Sports and Adventure Society, arranging E gaming competitions.

➢ Miscellaneous:
  Availability: 1st July 2012
  References: Available upon request
HAMZA ASIF NIZAMI

OBJECTIVE
To be a part of the industry in an equal opportunity employment company with renowned reputation and market recognition where my scientific and analytical skills can be best utilized to make me an asset to the organization.

EDUCATION
- 2008-Present NUST, College of EME, Rawalpindi, Pakistan
  - BE Mechatronics Engineering  CGPA: 2.51 (7th Semester)
- 2006-2008 Army Public School & College, Bahawalpur Cantt, Pakistan
  - HSSC (Pre Engineering)  Percentage: 68.5%
- 2004-2006 Garrison Academy for Boys, Tufail Rd. Lahore Cantt, Pakistan
  - SSC (Sciences)  Percentage: 81.8%

EXPERIENCE
1. 2 month internship training at MOL Oil and Gas Co. B.V.
2. 1 week internship training at Institute of Optronics, Ministry of Defense.
3. 2 week apprenticeship at College of EME at Lab Volts 5250 Robotic Arm Assembly.

FINAL YEAR PROJECT
Design and Fabrication of an Exoskeleton Glove for the rehabilitation of traumatized hands
(Two Research Papers Written Pending to be Published)

MAJOR PROJECTS
1. Line Tracking, Color Sensing Modular Robot for NERC ‘11
2. MATLAB based MCQ’s answer checking machine
3. Open and Closed loop Control of a Motor and PID Control Implementation
4. Algorithm for path-finding using basic elimination for a mobile robot
5. RPM Calculation of a DC Motor
6. Analog to Digital and Digital to Analog Conversion

TECHNICAL SKILLS
1. C, C++, Assembly for ATMEGA 16 Programming Skills
2. MATLAB, SIMULINK Analysis Skills
3. Pro E, Pro Mechanica, Auto CAD, Solid Works Solid Modelling Skills
4. CNC Simulator, Workspace, RS-Logix Industrial Automation Software Skills
5. PSPICE, Proteus ISIS and ARES Circuit Design and Analysis skills

ACHEIVEMENTS AND ACTIVITIES
1. Group Leader Final Year Project
2. Finalists National Engineering Robotics Contest (NERC) 2011
3. Winners Mini NERC 2011
4. Runners-Up Robotic Line-Tracking Contest 2011
5. Chief Editor of Mechatronics Department Year Book
6. Co-President Goonj Music Club
7. Special Correspondent (Magazine) and Deputy Director EME College Press Club
8. Deputy Director EME College Battle of the Bands
9. Member IEEE EME Student Chapter
10. Multimedia Team Member for NERC ‘09 Year Book

EXTRACURRICULAR ACTIVITIES
1. Music Composition: Acoustic Guitar, Keyboard (Piano), Harmonica, Various Software (FL Studio, Adobe Audition)
2. Sports: Squash and Football
3. Graphics and Animation: Cyberlink™ Power Director, Adobe Flash™, Google Sketch-up™, Microsoft Office™
4. English Poetry Composition
MUHAMMAD HAMZA KHAN

OBJECTIVE

To acquire position as a Trainee Engineer in a reputable organization where I can utilize my potential and become an asset for the organization.

EDUCATION

2008-Present College of EME, NUST, Rawalpindi, Pakistan
BE Mechatronics CGPA: 3.16
2005-2007 FG Sir Syed College, The Mall, Rawalpindi, Pakistan
HSSC (Pre-Engineering) 764/1100
2003-2005 Army Public School Westridge 3, Rawalpindi, Pakistan
SSC (Science) 884/1050

AWARDS AND ACHIEVEMENTS

2. Winner of robo-race at NASCON 2011 held at FAST Islamabad.
3. 1st runner up of line tracking competition at NUST College of EME.
4. Winner of mini-NERC competition held at NUST College of EME.
5. Made it to the final round (top 20 teams) in NERC 2011 held at NUST College of EME.

FINAL YEAR PROJECT

1. MYO-PROSTHETIC UPPER LIMB
   A brain controlled prosthetic hand for amputees developed using electromyography techniques.

TECHNICAL SKILLS

2. Pneumatics, Electro-pneumatic and Hydraulics course from SMME NUST.
3. Certified Associate in PLC and SCADA (CAPS) from SEECS NUST in collaboration with BIS (Buraq Integrated Solutions).

REFERENCES
Available on request.
OBJECTIVE:
I am looking for a career, which would not only make the best use of my professional knowledge but also lead to continuous development of skills and abilities besides providing a competitive environment which values performance.

EDUCATION:
2008- Present  College of E&ME, NUST, Rawalpindi, Pakistan.
   BE Mechatronics Engineering  CGPA:  3.31
   HSSC (Pre-Engineering)  943/1100
2004-2006  Sir Syed College, Wah Cantt, Rawalpindi.
   SSC (Science)  921/1050

EXPERIENCE:
1. Certified Associate in PLC & SCADA (CAPS) from SEECS, NUST in collaboration with Buraq Integrated Solution. (Duration 02 weeks)
2. 03 weeks short course on Hydraulic and Pneumatic Systems, SMME, NUST.

AWARDS & ACHIEVEMENTS:
1. Won Best Engineering Excellence Award in NERC 2011.
2. Got NUST GPA scholarship twice.
3. Won 5th position in robotics competition TECHFEST IIT Qualifier, LUMS, 2011.

FINAL YEAR PROJECT:
1. Unmanned lead vehicle (wireless control of an ATV).

SEMESTER PROJECTS:
2. Part programming & manufacturing on CNC Lathe machine.
3. Design and fabrication of Indigenous, autonomous Line follower robot, able to pick and place colored boxes at desired locations, (NERC 2011)

TECHNICAL SKILLS:
1. C++, AUTOCAD, PRO-E, PROTEUS, KEIL, AVR STUDIO, MATLAB, WORKSPACE, ROBOCIM.
2. CNC Lathe & Milling, PETRA PLC, LABVOLT 5-DOF Robotic Arm

EXTRA-CURRICULAR ACTIVITIES:
1. Sports (Football and Cricket).
2. In charge of Conducting team, NERC 2010.

REFERENCES:
Available upon request
MUHAMMAD KHAN

OBJECTIVE:
A persistent, passionate and ambitious individual seeking a challenging position in a dynamic organization of leading professionals; where I can perform the assigned task in the best possible manner to the utmost satisfaction of my line managers

EDUCATION:
2008- Present, College of E&ME, NUST, Rawalpindi, Pakistan.
    BE Mechatronics Engineering       CGPA: 3.06
    HSSC (Pre-Engineering)       820/1100
2004-2006, Roots High School, Rawalpindi.
    SSC (Science)           892/1050

EXPERIENCE:
1. Four weeks internship at Pakistan Oil Fields Limited (MEYAL)

AWARDS & ACHIEVEMENTS:
1. Represented NUST with my FYP in Pak-China Business Forum, 2012

FINAL YEAR PROJECT:
1. MYO Prosthetic limb
2. Body Powered Prosthetic Limb

SEMESTER PROJECTS:
1. Intelligent Traffic Control system using PLC.
2. Part programming & manufacturing on CNC Lathe machine.
3. Design and fabrication of Indigenous, autonomous Line follower robot, able to pick and place colored boxes at desired locations, (NERC2011).

TECHNICAL SKILLS:
1. Engineering Tools: C++, PRO-E, PROTEUS, KEIL, AVR STUDIO, MATLAB, WORKSPACE, ROBOCIM
2. Industrial tools: CNC Lathe & Milling, PETRA PLC, LABVOLT 5-DOF Robotic Arm
3. Short Courses: Courses on PLC & SCADA, Short Course on Hydraulic and Pneumatic System, Short Course on CNC programming and PRO E

EXTRA-CURRICULAR ACTIVITIES:
1. Sports (Squash, Swimming, Cricket and Football).
2. In charge of Conducting team, NERC 2010.
3. Part of Department’s Yearbook Committee.

References available upon request
H#32, St# 23A, Sector 1, Airport Society, Rawalpindi
Phone: 03005228665
E-mail: sami.mtsengg@gmail.com

MUHAMMAD SAMI SIDDIQUI

OBJECTIVE:
To be part of a reputed organization. It will be an opportunity to augment my knowledge and abilities; to start and pursue my career on a high note.

EDUCATIONAL QUALIFICATIONS
2008-Present  College of E&ME (NUST), Rawalpindi, Pakistan
            BE Mechatronics Engineering  CGPA 2.79
2006-2008   Beaconhouse Margalla, Islamabad
            A Levels  78%
2005-200   OPF Boys College, Islamabad
            O Levels  82%

EXTRA & CO-CURRICULAR ACHIEVEMENTS
• Engineering Excellence Award in NERC‘11
• Director Press Club,EME Olympiad ‘11
• Director EME ,Nust Literary Circle ‘11
• Associate Deputy Aks Club (2009-2010)
• Assistant Media, SAS (2009-2010)
• Finalist inter Nust Chess Tournament’10
• D.Director Registration,Olympiad‘10
• Founder/President Mts Yearbook
• Member Student Council ,Beaconhouse
• Conducting Student in NERC ‘09
• Class Representative of DE-30 MTS
• Event Head of Robonival’11

FINAL YEAR PROJECT
• Design and Fabrication of Exoskeleton Hand for Disabled People

SEMESTER PROJECTS
• Simulation of Robots in an Industrial work cell on Workspace
• Programming code for ATM Machine and Serial multi Communication
• Design and Implementation of Buck Converter ,H Bridge& other projects in Electronics
• Microcontroller 8051 based Seven Segment Display with various input modes
• Design and Fabrication of Autonomous robot for Robotics Competition
• Implementation of sheet scanning & checking program using Digital Image Processing
• Mechanical links and Stress analysis of an autonomous robot.
• Serial communication of RS232 &485 with Microcontroller 8051

ENGINEERING TOOLS AND SKILLS

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</table>

REFERENCES
Available upon request
OBJECTIVE:
Looking for a platform where I can enhance my engineering capabilities, flourish technical ideas and work with a team of professionals to do the best I can for the organization.

EDUCATION:
2008- Present, College Of E&ME, NUST, Rawalpindi, Pakistan.
BE Mechatronics Engineering               CGPA:  3.12
2006-2008, Punjab College of Sciences, Multan, Pakistan.
HSSC (Pre-Engineering)             897/1100
SSC (Science)               870/1050

EXPERIENCE:
1. Six weeks internship training Program, regarding field work at DESCON Engg Ltd.

AWARDS & ACHIEVEMENTS:
2. Educational Scholarship Holder

FINAL YEAR PROJECT:
Final Year Project comprises of ABB robot and PLC(SLC5/03 Allen Bradley) based work cell having practical application in industry

SEMESTER PROJECTS:
1. Sequential batch process for Part repainting, using PETRA PLC.
2. Design and implementation of H-bridge circuit.
4. Part programing & manufacturing on CNC Lathe machine.
5. Design and fabrication of Indigenous Line follower robot, able to pick and place boxes at desired locations. (NERC2011).

TECHNICAL SKILLS:
1. Engineering Tools: C, C++, AUTOCAD, PRO-E & SolidWorks, PROTEUS, ORECAD,DIPTRACE, PS-PICE, KEIL,AVR STUDIO, MATLAB, ANSYS, ABAQUS.
2. Industrial tools: CNC Lathe & Milling, PETRA PLC, LABVOLT 5-DOF Robotic Arm.

EXTRA-CURRICULAR ACTIVITIES:
1. Sports (Squash, Table Tennis, Cricket, football).
2. Event Head Squash & Table tennis, EME Olympiad 2011.
3. In charge of Measurements team, NERC 2010.

REFERENCES:
1. BRIG. Dr Javed Iqbal HOD, Mechatronics Department EME College (NUST).
MUHAMMAD TALAL KHAN

OBJECTIVE:
Work in an Organization that helps grow my potential and understanding of Professional working and utilize my knowledge and potential to the fullest.

EDUCATION:
2008- Present, College of E&ME, NUST, Rawalpindi, Pakistan.
BE Mechatronics Engineering CGPA: 3.61
A-Levels 4A’s
O-Levels 7A’s & 1b

EXPERIENCE:
1. Short Course on Pneumatics and Hydraulics.
2. Certified associate in PLC and SCADA.

AWARDS & ACHIEVEMENTS:
2. 2nd round finalist National Physics Talent Contest (top 15 students).

FINAL YEAR PROJECT:
1. Unmanned lead Vehicle (Wireless Control of an ATV).

SEMESTER PROJECTS:
1. Part programming & manufacturing on CNC Lathe machine.
2. Design and fabrication of Indigenous, autonomous Line follower robot, able to pick and place colored boxes at desired locations, (NERC2011).

TECHNICAL SKILLS:
1. Engineering Tools: C++, AUTOCAD, PRO-E, PROTEUS, KEIL,AVR STUDIO, MATLAB, WORKSPACE, ROBOCIM.
2. Industrial tools: CNC, PLC and SCADA, Pneumatics and Hydraulics

EXTRA-CURRICULAR ACTIVITIES:
1. Sports (Badminton, Table Tennis, Cricket and Football).
2. Member Election Supervising Committee.

REFERENCES: BRIG. Dr Javed Iqbal HOD, Mechatronics Department,
MUHAMMAD UMAR DRAZ

OBJECTIVE
Seeking a job where I can utilize my full potential and improve my technical skills. I will like to prove that I am very constructive and diligent.

EDUCATION
2008-2012: BE Mechatronics Engineering - College of Electrical & Mechanical Engineering, National University of Sciences & Technology, Pakistan
2006-2008: GCE Advanced Levels – Beaconhouse Margalla Campus Islamabad, Pakistan
2003-2006: GCE Ordinary Levels – Beaconhouse Margalla Campus Islamabad, Pakistan

EXPERIENCE
1. Pakistan Aeronautical Complex, Kamra (August-September 2011)
2. Touchstone Engineers & Traders, Pakistan (July-September 2010)

AWARDS & ACHIEVEMENTS
1. GPA Based Scholarship 6th & 7th semesters
2. 75% scholarship for GCE A’ Level studies

FINAL YEAR PROJECT
Complete design, fabrication and control of a Segway Electric Vehicle

SEMESTER PROJECTS
1. NERC line tracking & Color Sensing Robot
2. Image Processing Software Development
3. PID Control Implementation on 2-Motor base

TECHNICAL SKILLS
1. Programming Languages: MATLAB/C++/AVR Studio
2. Applications: Pro-Engineering/ Keil uVision/ Labview/ WorkSpace/ RoboCim

EXTRACURRICULAR ACTIVITIES
1. Football: University color holder; College & Department teams captain
2. Sports & Adventure Society, CEME: General Secretary Outdoor Sports

REFERENCES
1. Brig. Dr. Akhtar Nawaz Malik
2. Lt Col. Dr. Kunwar Faraz Ahmad
3. Dr. Umer Izhar
MUHAMMAD ZULQARNAIN KHALID

OBJECTIVE:
To utilize my education while working in an organization that provides a most encouraging environment to polish my skills and contribute to the best of my abilities for growth of my prospective employer and myself.

EDUCATION:
2008- Present, College of E&ME, NUST, Rawalpindi, Pakistan.
   BE Mechatronics Engineering   CGPA: 3.30
   HSSC (Pre-Engineering) 903/1100
2004-2006, Siddeeq Public School, 6th Road, Rawalpindi.
   SSC (Science) 899/1050

EXPERIENCE:
1. Six week internship at KAPCO, Instrumentation and Control department

AWARDS & ACHIEVEMENTS:
1. Hafiz-ul-Quran
2. Best wicket keeper batsman award at Army Cricket club summer camp.

FINAL YEAR PROJECT:
1. Intelligent DRIving System (IDRIS) for indoor navigation.

SEMESTER PROJECTS:
1. Cigarette packing process, using PETRA PLC.
2. Part programming & manufacturing on CNC Lathe machine.
3. Modeling and analysis of Robotic arm.
4. Design and implementation of H-bridge circuit.
5. RS-232 Serial communication Protocols.
6. Design and fabrication of Indigenous, autonomous Line follower robot, able to pick and place colored boxes at desired locations, (NERC2011).

TECHNICAL SKILLS:
1. Engineering Tools: C++, AUTOCAD, PRO-E, PROTEUS, ORCAD, KEIL,AVR STUDIO, MATLAB, ANSYS, WORKSPACE, ROBOCIM, OPEN-CV.
2. Industrial tools: CNC Lathe & Milling, PETRA PLC, LABVOLT 5-DOF Robotic Arm

EXTRA-CURRICULAR ACTIVITIES:
1. Sports (Squash, Table Tennis, Cricket and Football).
2. In charge of Conducting team, NERC 2010.

REFERENCES: BRIG. Dr Javed Iqbal HOD, Mechatronics Department, Dr. K. Faraz Ahmed, Associate Professor, Mechatronics department.
SAJID MUSHTAQ

OBJECTIVE
To work in a progressive and competitive environment, so as to apply technical and professional knowledge which I acquired in throughout my educational career.

EDUCATION

2008-12 College of Electrical & Mechanical Engineering, NUST, Rawalpindi, Bachelors in Mechatronics Engineering CGPA 3.80/4.00

2006-08 HSSC Fazaia Inter College, Lahore 946/1100

2004-06 SSC Garrison Boys High School, Lahore 890/1050

EXPERIENCE

1. Four weeks internship experience at Alcarel-Lucent, Islamabad (July, 2011-August 2011)

AWARDS & ACHIEVEMENTS

1. Received GPA based NUST scholarship (FIVE times).
2. Represented Pakistan in MAGNETO, TECHFEST 2012, organized by Indian Institute of Technology, Bombay, India (secured 2nd position).
4. Invited in commandants Garden Party for Distinguished students (FIVE TIMES).

FINAL YEAR PROJECT

Intelligent DRIving System(IDRIS) for outdoor environments

SEMESTER PROJECTS

1. Line tracking robot and colour sensing robot for NERC 2010 and 2012.
2. Cigarette manufacturing system on PETRA PLC.
3. Part programming & manufacturing on CNC Lathe machine.

TECHNICAL SKILLS

1. Programming Languages: MATLAB/C++/AVRStudio/OPENCV/
2. Applications: Pro-Engineering/ Keil uVision/Labview/
   WorkSpace/RoboCim/Proteus/Orcad.

EXTRACURRICULAR ACTIVITIES

1. Organizing member for NERC 2010, NERC 2012, welcomes, and farewells.

REFERENCES

1. Brig. Dr. Akhtar Nawaz Malik
2. Brig. Dr. Javaid Iqbal
OBJECTIVES:
To obtain a position in an organization where I can apply my engineering skills to contribute to the company's goals and which allows me to grow in a technical role.

EDUCATION:
2008-2012: BE Mechatronics Engineering - College of Electrical & Mechanical Engineering, National University of Sciences & Technology, Pakistan  CGPA:3.53
2006-2008: Islamabad Model College for Boys G-10/4, Islamabad, Pakistan
HSSC(Pre-Engineering)  878/1100
2003-2006: Islamabad Model College for Boys I-10/1, Islamabad, Pakistan
SSC(Science)  894/1050

EXPERIENCE:
1. 4 weeks internship in Mechatronics Department Project, College of E&ME July 2011

AWARDS AND ACHIEVEMENTS:
1. GPA Based Scholarship in 1st, 3rd, 5th, 6th and 7th Semesters
2. Position holder throughout secondary and higher secondary school

FINAL YEAR PROJECT:
Landmine Detection System for multiple operating units using ZigBee modules for communication and GPS for locating the mines.

SEMESTER PROJECTS:
1. Automated traffic signal control system using RSLogix (PLC)
2. PID implementation on speed control of DC motors of a robot
3. Controlling 5DOF Manipulator and solving its inverse and forward kinematics
4. Designed an autonomous robot for NERC 2011
5. Designed Matlab and Visual C++ code for paper checking (Digital Image Processing)

TECHNICAL SKILLS:
1. Experience in circuit design and implementation with microcontroller based systems
2. Programming Languages: MATLAB, C++, PHP

EXTRACURRICULAR ACTIVITIES:
1. Member of Sports and Adventure Society

REFERENCES
Available on request
OBJECTIVE:
I am a Mechatronics engineer with great interest in career development and willing to work with qualified and experienced people for the benefit of both the firm and my professional experience.

EDUCATION:

2008- Present, College of E&ME, NUST, Rawalpindi, Pakistan.
BE Mechatronics Engineering CGPA: 2.94

HSSC (Pre-Engineering) 839/1100

2004-2006, Margalla Academy, HIT, Taxila cantt.
SSC (Science) 899/1050

EXPERIENCE:
1. Four week internship at Attock Oil Refinery, Maintenance and instrumentation department.

FINAL YEAR PROJECT:
Wireless control of Unmanned Lead Vehicle (ULV).

SEMESTER PROJECTS:
1. Intelligent Traffic Control System, using PETRA PLC.
2. Part programming & manufacturing on CNC Lathe machine.
3. Modeling and analysis of Robotic arm.
4. Design and implementation of H-bridge circuit.
5. Design and fabrication of Indigenous, a autonomous Line follower robot, able to pick and place colored boxes at desired locations, (NERC2011).

TECHNICAL SKILLS:
1. Engineering Tools: C++, AUTOCAD, PRO-E, PROTEUS, KEIL,AVR STUDIO, MATLAB, WORKSPACE, ROBOCIM, OPEN-CV, FluidSIM.
2. Industrial tools: CNC Lathe & Milling, PETRA PLC, LABVOLT, 5-DOF Robotic Arm.
3. Courses: Two weeks short course on PLC and SCADA (2012), Three weeks short course on hydraulics and pneumatics systems (2012), Four Weeks short course on Pro E and CNC programming.

EXTRA-CURRICULAR ACTIVITIES:
1. Sports (Cricket and Football).
2. In charge of Conducting team, NERC 2010.
3. Senior Media Team member of EME Olympiad, 2011.

REFERENCES: will be provided upon request.
OBJECTIVE:
“I want to seek a position in a reputed Industry by achieving the ample opportunity of learning and hence playing an important role in the success of Organization.”

EDUCATION:
2008- Present, College Of E&ME, NUST, Rawalpindi, Pakistan.
  BE Mechatronics Engineering  CGPA: 3.62
2006-2008, Lahore Learning Campus, Lahore.
  A-Levels  3 A’s
  O-Levels  5 A’s , 3 B’s

EXPERIENCE:
1. Internship in Diamonds Paints Lahore.

AWARDS & ACHIEVEMENTS:
1. Distinguish student award in College of E&ME Nust , Rawalpindi.
2. Scholarship awards in College of E&ME nust , Rawalpindi.
3. Scholarship award in A levels in Lahore Learning Campus.

FINAL YEAR PROJECT:
1.

SEMESTER PROJECTS:
1. Sequential batch process for Part repainting, using PETRA PLC.
2. Design and implementation of H-bridge circuit using Transistors and Relays.
4. Part programing & manufacturing on CNC Lathe machine.
5. Member of the Team who designed and Controlled Robotic Arm
6. Participated in National Engineering Robotics Contest (NERC-2011)
7. Motor Control with PID implementation.

TECHNICAL SKILLS:
2. Industrial tools: CNC Lathe & Milling, PETRA PLC, LABVOLT 5-DOF Robotic Arm.

EXTRA-CURRICULAR ACTIVITIES:
1. Sports (Table Tennis, Cricket, football , Snooker).
2. Member of Conducting team, NERC 2009.

REFERENCES:
1. BRIG. Dr Javed Iqbal HOD, Mechatronics Department
TALHA WAHAB

OBJECTIVE:
To utilize my education while working in an organization that provides a most encouraging environment to polish my skills and contribute to the best of my abilities for growth of my prospective employer and myself.

EDUCATION:
2008- Present, College of E&ME, NUST, Rawalpindi, Pakistan.
   BE Mechatronics Engineering                  CGPA:  3.13
2006-2008,   GCU, Lahore
   HSSC (Pre-Engineering)
2004-2006,   Engro Grammar School
   O-Levels

EXPERIENCE:
1. Four weeks internship at PRESSON DE SCON (Worked on basics of Instrumentation and Fieldbus)
2. Four weeks internship at ENGRO FERTILIZERS (Worked on basics of Instrumentation & PLCs)

FINAL YEAR PROJECT:
1. Worked on TENDON ACTIVATED PROSTHETIC HAND in collaboration with HULS (Hand and Upper Limb Surgery), CMH, Lahore.

SEMESTER PROJECTS:
1. Cigarette packing process, using PETRA PLC.
2. Part programming & manufacturing on CNC Lathe machine.
3. Design and implementation of H-bridge circuit.
5. Design and fabrication of Indigenous, autonomous Line follower robot, able to pick and place colored boxes at desired locations, (NERC2011).

TECHNICAL SKILLS:
1. Engineering Tools: C++, AUTOCAD, PRO-E, PROTEUS, ORCAD, KEIL, AVR
   STUDIO, MATLAB, ANSYS, WORKSPACE, ROBOCIM, OPEN-CV.
2. Industrial tools: CNC Lathe & Milling, PETRA PLC, LABVOLT 5-DOF Robotic Arm

EXTRA-CURRICULAR & CO-CURRICULAR ACHIEVEMENTS:
1. Secured 2nd position in MAGNETO, TECHFEST (Asia’s largest science festival) held in IIT Bombay, India.
2. Secured 1st position in IIT QUALIFIER ROUND held in LUMS.

REFERENCES: BRIG. Dr Javed Iqbal HOD, Mechatronics Department, Dr. Umar Shabaz, Mechatronics department.
OBJECTIVE:
I am a Mechatronics engineer with great interest in career development and willing to work with qualified and experienced people for the benefit of both the firm and my professional experience.

EDUCATION:
2008- Present, College of E&ME, NUST, Rawalpindi, Pakistan.
   BE Mechatronics Engineering  CGPA:  2.94
2006-2008, Islamabad Model College for Boys F-7/3
   HSSC (Pre-Engineering)  821/1100
   SSC (Science)  778/1050

EXPERIENCE:
1. Four week internship at Tops Foods with TetraPak maintenance Engineer.
2. Four Week internship at SABRO Pvt Lt. in the Design Department.

AWARDS & ACHIEVEMENTS:
1. Won Interuniversity Table Tennis Tournament for NUST in year 2012.
2. Represented Islamabad at all Pakistan Table Tennis Tournament.

FINAL YEAR PROJECT:
1. Designed and wireless Control of Machine Gun ATV Mount.

SEMESTER PROJECTS:
1. Traffic Signal Control with flexible switching time, using PETRA PLC.
2. Part programming & manufacturing on CNC Lathe machine.
3. Design and fabrication of Indigenous, autonomous Line follower robot, able to pick and place colored boxes at desired locations, (NERC2011).
4. Designed a tachometer for a DC motor with graphical output on PC through parallel COM port.

TECHNICAL SKILLS:
1. Engineering Tools: C++, AUTOCAD, PRO-E, PROTEUS, ORCAD, KEIL,AVR STUDIO, MATLAB, ANSYS, WORKSPACE, ROBOCIM, OPEN-CV.
2. Industrial tools: CNC Lathe & Milling, PETRA PLC, LABVOLT 5-DOF Robotic Arm

EXTRA-CURRICULAR ACTIVITIES:
1. Sports (Squash, Table Tennis, Cricket and Football).

REFERENCES: Will be provided on request.
STREET NO. 2, HOUSE NO.2, MOHALLAH PATHNISTIN, RAHIM YAR KHAN
PHONE NO. +92336-0689736
E-MAIL. Yousaf.ahmed11@gmail.com

YOUSAFAHMED

OBJECTIVE
A self-confident, friendly, approachable person with a passion for life: motivated by challenges & adventures whilst adopting a logical & creative approach to problems solving. Possess effective academic & social activities able to negotiate & relate to people at all levels with different ethnic background. Adaptable & flexible & has the willingness to learn new skills to get a job done, essentially an excellent team player

EDUCATION
2008-Present College of E& ME , Rawalpindi , Pakistan
BS in Mechatronics Engineering CGPA. 3.04/4.00
2005-2007 Punjab college Rahim Yar Khan , Pakistan
HSSC (Pre-Engineering) 896/1100
2003-2005 Govt. Tamir-e-millat High School RYK, Pakistan
SSC (Science) 642/850

AWARDS AND ACHIEVEMENTS
1. 666th Merit position in NUST entrance test.
2. Got 5th position in NERC 2011.

FINAL YEAR PROJECT
1. Analysis and mathematical calculation of Robotic manipulator

SEMESTER PROJECTS
1. Traffic signal control using digital logic design.

TECHNICAL SKILLS
1. Programming languages: C/C++.
2. Applications: Ansys, Matlab, AutoCAD, MS Office, PSpice, Proteous, pro-E.

EXTRACURRICULAR ACTIVITIES
1. Member of NERC organization group.
2. Sports (Cricket, Football)

REFERENCES
References will be provided on demand.
OBJECTIVE:
Looking for a challenging environment in order to apply and enhance technical, management and decision making skills which I have acquired during my academic career.

EDUCATION:
2008- Present, College Of E&ME, NUST, Rawalpindi, Pakistan.
BE Mechatronics Engineering    CGPA:  3.4
2006-2008, Punjab College of Science, Lahore (Pre-Engineering)    934/1100
2004-2006, Himayat-i-Islam Higher secondary school, Lahore
SSC (Science)     884/1050

EXPERIENCE:
1. 4 week internship at Nishat power plant chunian(NCPL) in july’11

AWARDS & ACHIEVEMENTS:
1. Winner of Line tracking competition 2011
2. 2nd runner up at TECHFAST IIT Bombay robotics competition held at LUMS’11

FINAL YEAR PROJECT:
1. All terrain Unmanned Ground Vehicle (UGV), for Urban Search & Rescue (USAR) operations.

SEMESTER PROJECTS:
1. Filling and counting of empty bottles, using PETRA PLC.
2. Modular Speedo/Odometer for Computation and Real time Data Acquisition of Track Variables.
3. UART and I^C communication Protocols.
4. Part programing & manufacturing on CNC Lathe machine.
5. Design and fabrication of Indigenous Line follower robot, able to pick and place boxes at desired locations. (NERC2011).

TECHNICAL SKILLS:
2. Industrial tools: CNC Lathe & Milling, PETRA PLC, LABVOLT 5-DOF Robotic Arm.

EXTRA-CURRICULAR ACTIVITIES:
1. Sports (Tennis, Cricket, football).
3. Member of Nust Volunteers Club.

REFFRENCES:
Will be available upon request.
OBJECTIVES
Looking for work in an organization where I can utilize my potential and grow my technical and personal skills.

EDUCATION
2008- Present College of E&ME, NUST, Rawalpindi, Pakistan.
BS in Mechatronics Engineering CGPA 3.87/4
2006-2008 Lahore College for Women University, Jail Road Lahore, Pakistan.
HSSC (Pre- Engineering) 916/1100
SSC 913/1050

AWARDS AND ACHIEVEMENTS
1. Academic distinction holder, College of Electrical and Mechanical Engineering, NUST.

FINAL YEAR PROJECT
1. Landmines Detection System (Project leader)

SEMESTER PROJECTS
1. Designed and Implemented the control of a 5 DOF Robotic Manipulator.
2. Designed and controlled line following robotic car using light activated sensors.
4. 8051 microcontroller interfacing with SSD, LCD, Keypad and serial and parallel port. Employed smart color sensing using ADC and DAC.
5. Successfully implemented speed and direction control of DC motors using high current H-bridge.
6. Calculated speed of DC motors using C++ program and bidirectional interfacing with parallel port.
7. Designed Matlab and Visual C++ code for image processing tools.
8. Realized traffic signal control through logic implementation.
9. Designed and fabricated a bipolar DC power supply.

TECHNICAL SKILLS

EXTRA CURRICULAR ACTIVITIES
1. Actively participating in the society for the promotion of arts and literature (SPAL) of university as an assistant in administration wing.
2. Conducted sports events in EME Olympiad 2010 which generated funds of Rs 20,000 (approx) for flood affectees.

REFERENCES
1. Brig. Dr. Javaid Iqbal, Head of Mechatronics Department, CEME, NUST
MARYAM MAJEED

OBJECTIVE:
To be employed in one of the most prominent enterprises of Pakistan to help me gain experience of the industry for future establishment. To work for a company that would enable me to become independent on my own and nourish my capabilities so that I’m able to put what I’ve learnt into practice, and become a worthy citizen, being able to help my country in one way or the other.

EDUCATION:
2012-Present: NUST College of E&ME, Rawalpindi, Pakistan
Bachelors in Mechatronics Engineering, CGPA: 3.35
2006-2008: Beaconhouse Educational Complex
A-levels
2004-2006: Beaconhouse Girls Branch, Peshawar Road, Rawalpindi
O-levels

EXPERIENCE:
Nil

AWARDS & ACHIEVEMENTS:
1. Awarded scholarship for achieving GPA of 3.68 in the 4th semester and 3.72 in 6th semester
2. Attained 198 Merit position in NUST Entrance Test
3. Awarded 75% scholarship in 1st year of A-levels for achieving 7A’s in O-levels
4. Played the role of Director Public Relations for the EME Olympiad 2011
5. Appointed General Secretary IEEE Student Chapter for the year Sept 2011- June 2012
6. Appointed student ambassador for ILO (Industrial Liaison Office)
7. Organizer of 2nd Finance and IT Expo Conference of Pakistan (held in May 2010 at Islamabad Hotel)
8. Appointed Director of Public Relations wing of the Alumni Liaison Committee (ALC) at College of E&ME (Sept 2010-June 2011)
9. Played the role of Conducting Student in NERC (National Engineering Robotics Contest) in 2010

FINAL YEAR PROJECT:
1. Design of a Segway electric vehicle, vehicle and electronics circuit fabrication and control

SEMESTER PROJECTS:
1. Participant of NERC 2011 (Developed an autonomous robot)
2. Worked on Interfacing 8051 with ADC and SSD (Seven Segment Display) boards
3. Operated industrial robots: Lab-Volt 5250 and Rhino using teach pendants
4. Operated Lab-Volt 5250 robot using RoboCim software
5. Developed a pick and place mechanism of box from a table to conveyor belt
6. Design and Fabrication of electronic circuits on Proteus

TECHNICAL SKILLS:
1. Knowledge of C++/C, Assembly Language of 8051, Proteus, AVR Studio, CNC Simulator, Ladder logic programming in RS Emulator, Pro-E, Workspace, RoboCim and MATLAB

INTERESTS:
1. Organizing Events
2. Taking part in Social work
3. Swimming and Riding

REFERENCES:
1. Brig. Dr. Javaid Iqbal, HOD Mechatronics Department, NUST, College of E&ME
2. Dr. Umer Izhar, Assist. Professor, Mechatronics Department, NUST, College of E&ME
SALEHA MAQSOOD

OBJECTIVE
Seeking a job in the industry to apply my engineering knowledge in the field as well as enhance it in the while. It will be an opportunity to augment my knowledge and abilities; to start and pursue my career with excellence.

EDUCATION
2008-Present, College of Electrical & Mechanical Engineering, NUST, Rawalpindi, Pakistan- Bachelors in Mechatronics Engineering CGPA 3.51/4.00
2001-03, High School Studies, Sear Rogers International School, Hong Kong 95%
2003-06, GCE Ordinary Levels Cambridge University 8 straight A’s
2006-08, GCE Advanced Levels Cambridge University 1A,3B’s

EXPERIENCE
1. Pakistan Broadcasting Corporation, Engineering Dept. (June-July 2009)
2. Digimac Hi-Technologies (June-July 2011)
3. Advantech Malaysia, (August 2011)

AWARDS & ACHIEVEMENTS
1. Record Scholarship for Advanced Level
2. GPA Based Scholarship 1st, 5th, 6th and 7th semesters

FINAL YEAR PROJECT
Real Time Robotic Sound Source Localization System

SEMESTER PROJECTS
1. NERC line tracking & Color Sensing Robot
2. Image Processing Software Development
3. PID Control Implementation on 2-Motor base

TECHNICAL SKILLS
1. Programming Languages: MATLAB/C++/AVRStudio
2. Applications: Pro-Engineering/ Keil uVision/Labview/ WorkSpace/RoboCim

EXTRACURRICULAR ACTIVITIES
1. Cricket, Table Tennis, Basket Ball, Volley Ball and Chess University Teams
2. Rock-Climbing, Ice-skating, Para-Gliding, English Poetry, Photography
3. Member of University Societies like CEME IEEE, SAS, Campbuzz Magazine

REFERENCES
1. Brig. Dr. Akhtar Nawaz Malik
2. Brig. Dr. Javaid Iqbal
ZOYA TANZEEL

OBJECTIVE
To obtain a position in the engineering field by applying my skills to the best of my knowledge.

EDUCATION
2008-2012: BE Mechatronics Engineering – NUST, College of E&ME, Pakistan
2006-2008: GCE Advanced Levels – Lahore Grammar School Defence branch, Pakistan
2004-2006: GCE Ordinary Levels – The City School Gulberg branch Lahore, Pakistan

EXPERIENCE
1. 4 weeks internship in Siemens Lahore from 20th August-20th September 2011
2. 4 weeks internship in Sunrise Institute for Special Children in June 2006

AWARDS & ACHIEVEMENTS
1. GPA based scholarship in 1st, 6th and 7th Semesters
2. 100% scholarship for GCE A’ Level studies

FINAL YEAR PROJECT
1. Landmine Detection System for multiple operating units using ZIGBEE modules for communication and GPS for locating the mines.

SEMESTER PROJECTS
1. Automated operation of Coke factory in RSLOGIX (PLC)
2. System identification and modeling using ARX, ARMAX and OE model
3. PID implementation on speed control of DC motors of a robot
4. Controlling 5DOF Manipulator and solving its inverse and forward kinematics
5. Designed an autonomous robot for NERC 2011
6. Designed Matlab and Visual C++ code for Optical Mark Reader (Digital Image Processing)

TECHNICAL SKILLS:
1. Experience in circuit design and implementation with microcontroller based systems AVR (ATmega16) and 8051 microcontrollers
2. Fully conversant with AutoCad, Visual C++, PSpice, Matlab, Proteus, Keil, AVR Studio, Pro-E, CNC simulator, RSLOGIX, Workspace 5, Labview

EXTRACURRICULAR ACTIVITIES
1. Participated in organizing NERC (2009)

REFERENCES
Available on request
OBJECTIVE:
I want to engage in a mutually beneficial relationship with the organization I work for, where I employ my skills for its advancement and where it provides me with opportunities that are challenging and eventually lead to my personal development.

EDUCATION:
2008- Present, College of E&ME, NUST, Rawalpindi, Pakistan.
   BE Mechatronics Engineering   CGPA: 2.61
   Advanced Level (Sciences) 905/1100
   Ordinary Level (Sciences) 754/900

EXPERIENCE:
N/A

AWARDS & ACHIEVEMENTS:
1. Academic Scholarship holder in A-Level.

FINAL YEAR PROJECT:

SEMESTER PROJECTS:
1. Sequential batch process for Part repainting, using PETRA PLC.
2. Design and implementation of H-bridge circuit.
4. Part programing & manufacturing on CNC Lathe machine.
5. Design and fabrication of Indigenous Line follower robot, able to pick and place boxes at desired locations. (NERC2011).

TECHNICAL SKILLS:
2. Industrial tools: CNC Lathe & Milling, PETRA PLC, LABVOLT, 5-DOF Robotic Arm.

EXTRA-CURRICULAR ACTIVITIES:
1. Active member of Elementary Society to Excel in Future (ESEF).
2. Arranged charity functions for the victims of natural disasters.

REFERENCES:
1. BRIG. Dr. Javed Iqbal, HOD, Mechatronics Department.
UMAIR IJAZ HUSSAIN

OBJECTIVE
Seeking a job where I can utilize my full potential and improve my technical skills. I will like to prove that I am very constructive and diligent.

EDUCATION
2008-2012: BE Mechatronics Engineering - College of Electrical & Mechanical Engineering, National University of Sciences & Technology, Pakistan
2006-2008: GCE Advanced Levels – Roots College International, Rawalpindi, Pakistan
2003-2006: GCE Ordinary Levels – The City School, Rawalpindi, Pakistan

EXPERIENCE
1. Microcontroller 8051 Workshop – CEME, NUST

AWARDS & ACHIEVEMENTS
1. 100% scholarship for GCE A’ Level studies
2. Winners of Line Tracking Competition, NERC 2011
3. Represented Pakistan in the first SAARC Youth Conference in Bangladesh, 2007

FINAL YEAR PROJECT
Complete design, fabrication and control of a Segway Electric Vehicle

SEMESTER PROJECTS
1. NERC line tracking & Color Sensing Robot
2. Image Processing Software Development
3. PID Control Implementation on 2-Motor base

TECHNICAL SKILLS
1. Programming Languages: MATLAB/C++/AVR Studio
2. Applications: Pro-Engineering/ PLC/ CNC/ Labview/ WorkSpace/ RoboCim

EXTRACURRICULAR ACTIVITIES
1. Sports & Adventure Society CEME: General Secretary Promotions
2. EME Olympiad 2011: Deputy Director Promotions

REFERENCES
1. Lt Col. Dr. Kunwar Faraz Ahmad
2. Dr. Umer Izhar
AAMIR SOHAIL

OBJECTIVE:
To obtain engineering position at a growing, people-oriented, high-technology Industry, where I can use my strong analytical, detail-oriented knowledge and interpersonal skills to improve services and products, and help others. All the while engaging in new challenges and learning experiences.

EDUCATION:
2008- Present College of E&ME, NUST, Rawalpindi.
BE Mechatronics CGPA: 3.53

EXPERIENCE:
1. Six week internship at PTC, Green Leaf Treatment department

AWARDS & ACHIEVEMENTS:
1. Stood 1st runner up in Magneto Techfest IIT Bombay.
2. Winner of the IIT Qualifier held at LUMS Lahore.

FINAL YEAR PROJECT:
1. Tendon Activated Prosthetic Hand.

SEMESTER PROJECTS:
1. Simulated different Industrial Modules Using Allen Bradley PLC.
3. Line Tracking robot.
4. DC motor speed control with PID controller on matlab.
5. Traffic Control System Model with time and sequence logic.
6. ATM Credit Card Number Generation using standard system in c++ project.

TECHNICAL SKILLS:
1. Engineering Tools: C++, AutoCAD, Pro-E, Proteus, ORCAD, Keil,AVR Studio, Matlab, Workspace, RoboCIM, Open-CV.
2. Industrial tools: CNC Lathe & Milling, PETRA PLC, LABVOLT 5-DOF Robotic Arm

CO-CURRICULAR ACTIVITIES:
2. Participated in IIT Qualifier held at LUMS Lahore.
3. In charge of Conducting team, NERC 2011.
4. Sports (Table Tennis, Cricket).

REFFRENCES:
1. Brig. Dr. Javed Iqbal HOD, Mechatronics Department, EME College NUST.
2. Dr. Umar Shahbaz Khan, Assistant Professor, Mechatronics Department, EME College.
OBJECTIVE:
To play dynamic role in a growing organization & grooming through working with skilled persons to achieve respectable position in progressive organization through continuous hard and smart work, dedication & devotion.

EDUCATION:
2008- Present, College Of E&ME, NUST, Rawalpindi, Pakistan.
   BE Mechatronics Engineering   CGPA:  2.4
   HSSC   872/1100
   SSC   797/1050

EXPERIENCE:
1. Four weeks internship in Fatima fertilizers limited(Maintenance Department).

AWARDS & ACHIEVEMENTS:

FINAL YEAR PROJECT:

SEMESTER PROJECTS:
1. Design and implementation of H-bridge circuit.
3. Sequential batch process for car washing, using PETRA PLC.
4. Part programing & manufacturing on CNC Lathe machine.
5. Design and fabrication of Indigenous Line follower robot, able to pick and place boxes at desired locations. (NERC2011).

TECHNICAL SKILLS:
1. Programming Languages: C, C++
2. Engineering Tools: AUTOCAD, PRO-E , PROTEUS, ,, PS-PICE, KEIL,AVR STUDIO, MATLAB.

EXTRA-CURRICULAR ACTIVITIES:
1. Sports (Cricket, Table Tennis, Cricket, Billiards).
HAMZA MASOOD RAJA

OBJECTIVE:
To lead, challenge and be challenged in a high quality engineering environment where personal ability, creative problem solving skills and commitment to professionalism, would be of value.

EDUCATION:
2008- Present, College of E&ME, NUST, Rawalpindi, Pakistan.
   BE Mechatronics Engineering            CGPA: 3.02
   HSSC (Pre-Engineering)                 821/1100
2004-2006, Garrison Academy Quetta Cantt
   SSC (Science)                         830/1050

EXPERIENCE:
1. Four weeks internship training Program, regarding Mobile Robots at SMME, NUST.

AWARDS & ACHIEVEMENTS:
1. Secured GPA based scholarship, 4 times.
2. Supervisor for a group of 5 individuals for NERC.
3. Runner up inter-departmental squash.

FINAL YEAR PROJECT:
1. Intelligent DRiving System for indoor navigation (IDRIS).

SEMESTER PROJECTS:
1. Tobacco leaf processing and storage on PETRA PLC.
2. Design and implementation of H-bridge circuit.
4. Part programing & manufacturing on CNC Lathe machine.
5. Fabrication of an Autonomous line following robot for NERC 2011.

TECHNICAL SKILLS:
1. Programming Languages: C/C++
2. Engineering Tools: AUTOCAD, PRO-E & SolidWorks, PROTEUS, ORCAD, KEIL, AVR
   STUDIO, MATLAB, OPENCV.

EXTRA-CURRICULAR ACTIVITIES:
1. Sports (Squash, Table Tennis, Cricket, football)
2. Member PR committee for EME Olympiad.
3. Senior arena manager for NERC.

REFERENCES:
2. DR Umar Izhar 9278050 (Ext 4412 ).
HOUSE NO#412, STREET#3, JINNAHABAD COLONY, ABBOTTABAD, PAKISTAN
PHONE: +92300-5637846
EMAIL: hassanhallian786@gmail.com

HASSAN NAWAZ KHAN

OBJECTIVE:
In quest of enriching an opportunity in the field of engineering, with an esteemed organization, where I can explore and develop my skills to help achieve organizational goals.

EDUCATION:
BE Mechatronics Engineering
2006-2008, Army Burn Hall College, Abbottabad.
F.Sc 801/1100
2004-2006, Army Burn Hall College, Abbottabad.
Matric 917/1050

EXPERIENCE:
Six weeks internship at Schlumberger.

ACHIEVEMENTS:
Got Two Medals for acquiring third position in High school.

FINAL YEAR PROJECT:

SEMESTER PROJECTS:
2. Design and implementation of H-bridge circuit.
4. Part programing & manufacturing on CNC Lathe machine.
5. Design and fabrication of Indigenous Line follower robot, able to pick and place boxes at desired locations. (NERC2011).

TECHNICAL SKILLS:
1. Programming Languages: C, C++
2. Engineering Tools: AUTOCAD, PRO-E & SolidWorks, PROTEUS, ORCAD,DIPTRACE, PS-PICE, KEIL,AVR STUDIO, MATLAB, ANSYS, ABAQUS.
MUHAMMAD FAHD ADEEL

EDUCATION

Oct 2008-Present
BE (MECHATRONICS)
National University of Science and Technology (EME)  CGPA 2.6/4.0

July 2008
HSSC (PRE-ENGINEERING)
Bahria College Islamabad  770/1100, 70%

July 2006
SSC
Bahria College Islamabad  817/1050, 77.8%.

EXPERIENCE

July-Aug('11) Pakistan Oilfields Limited (6-weeks Internship) Meyal
1. Detailed study of different gas purification and separation processes in the plant.
2. Analysis of different types of pumps, compressors and plant automation through PLCs and control valves.
3. Designing a detailed 3D animated model of Plant. (appreciated by senior management)
4. Awarded with a special certificate by General Manager for my services to the company during internship.

FINAL YEAR PROJECT

1. Designing, fabrication and wireless control of a machine gun (MG3) mount on a Unmanned Land Vehicle (ULV). (sponsored and funded by Pakistan Army)

SEMESTER PROJECTS

2. CNC programming, part manufacturing and detailed study of PLCs.
3. 8051 Microcontroller and AVR projects including Generic board, Seven Segment Display, Serial communication, H-bridge control, line tracking, Digital Image Processing projects.

TECHNICAL SKILLS

- Pro Engineer Wildfire
- Ansys 12.0
- Matlab 7
- AutoCAD 2004
- Microsoft Visual Studio (C++)
- Keil uVision 3.0
- AVR Studio v4
- Turbo-C
- Proteus 7.6
- Pspice
- Workspace
- Robocim

ENTERPRENEURSHIP SKILLS AND EXTRA CURRICULAR ACTIVITIES

1. Freelance Graphic Designing. (established an online based company and worked with several international companies and individual clients)
2. Proficiency in Graphic designing, 3D modeling and animation softwares i.e Adobe AfterEffects, Adobe Photoshop, Google SketchUP, Flash 8, Sony Vegas, Fx-home Composite lab, CyberLink PowerDirector, Autodesk 3ds Max etc.

Reference will be furnished on request
Muhammad Shaban

OBJECTIVE:
To play dynamic role in a growing organization & grooming through working with skilled persons to achieve respectable position in progressive organization through continuous hard and smart work, dedication & devotion.

EDUCATION:
B.E. Degree in Mechatronics
College of Electrical & Mechanical Engineering (NUST) 2008-
Present
Rawalpindi, Pakistan. CGPA: 2.59

Army Public School & College 2006-
2008
Okara Cantt, Pakistan. 834/1100

F.G. Boys High School 2004-
2006
Okara Cantt, Pakistan. 827/1050

FINAL YEAR PROJECT:
The Implementation of CIM concepts (Computer Integrated Manufacturing) and CNC, (Mini Automated Factory) and in-depth study of CAD/CAM.
The CIM we were equipped with included:
1. Denford Milling Machine
2. Denford Lathe Machine
3. ASRS (Automatic Storage & Retrieval System)
4. Two Mitsubishi Melfa Robotic Arms
5. Conveyer belt
Interfacing of RHINO R/6 Vertical Milling Machine with computer
Design of Gripper

PROJECTS & SOFTWARE:
1. Design of variable voltage power supply.
2. Water level detector and maintainer.
3. Interfacing of 8051 with seven segment display.
4. Serial communication of 8051.
5. ATM card cod generator & detector (Using C++).
6. Digital image processing projects.
8. Special skills in Pro-E.

AWARDS & Co CURRICULAR ACTIVITIES:
1. Organized and actively participated in official school/college ceremonies.
OBJECTIVE:
In quest of enriching an opportunity in the field of engineering, with an esteemed organization, where I can explore and develop my skills to help achieve organizational goals.

EDUCATION:
2008- Present, College Of E&ME, NUST, Rawalpindi, Pakistan.
  BE Mechatronics Engineering   CGPA:  2.76
  HSSC (Pre-Engineering)   791/1100
  SSC (Science)     898/1050

EXPERIENCE:
1. Four weeks internship training Program, regarding Mobile Robots at SMME, NUST.

AWARDS & ACHIEVEMENTS:
2. Runners-up ROBO SPRINT NASCON 2011.

FINAL YEAR PROJECT:
1. All terrain Unmanned Ground Vehicle (UGV), for Urban Search & Rescue (USAR) operations.

SEMESTER PROJECTS:
1. Sequential batch process for Part repainting, using PETRA PLC.
2. Design and implementation of H-bridge circuit.
4. Part programing & manufacturing on CNC Lathe machine.
5. Design and fabrication of Indigenous Line follower robot, able to pick and place boxes at desired locations. (NERC2011).

TECHNICAL SKILLS:
1. Engineering Tools: C, C++, AUTOCAD, PRO-E & SolidWorks, PROTEUS, ORCAD,DIPTRACE, PS-PICE, KEIL,AVR STUDIO, MATLAB, ANSYS, ABAQUS.
2. Industrial tools: CNC Lathe & Milling, PETRA PLC, LABVOLT 5-DOF Robotic Arm.

EXTRA-CURRICULAR ACTIVITIES:
1. Sports (Squash, Table Tennis, Cricket, football).
2. Event Head Squash & Table tennis, EME Olympiad 2011.
3. In charge of Measurements team, NERC 2010.

REFERENCES:
1. BRIG. Dr Javed Iqbal HOD, Mechatronics Department
OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Computer System) CGPA: 3.21
2005-2007 A-levels at Al-wadi in’t school
(HSSC (Pre-Engineering)) 866/1100
2003-2005 0-levels at Hala in’t school jeddah
(SSC (Science)) 756/950

EXPERIENCE

FINAL YEAR PROJECT
Improving the army communication protocol to support better security and throughput.

SEMESTER PROJECTS
2. GUI based lexical analyser
3. PQRS (normal heart beat) detection for different rythms in Dsp kit
4. Hard Exudates detection from coloured images.
5. Improving FFT implementation on FPGA.
6. Management System supported with extensive Database and C#
7. Implementation of various modulation techniques and prevention of inter symbol interface and improving BER on matlab.

TECHNICAL SKILLS
1. Programming languages: BASIC, VISUAL C++, 8051 ASSEMBLY, 8086 ASSEMBLY (Debugger & Masm), MATLAB, Open CV,
2. Applications: MS Office, Design lab PSPICE, Proteus, Masm615, Keil, AutoCAD, Advanced Design System (ADS), Xilinx, Visual Studio

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Debates Poetry & Reading.
2. Sports (Cricket, Tennis, Chess)

REFERENCES
Brig Dr Shoaib Khan, Lecturer Sajid Gul Khawaja
Hassan Azib

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Computer Engineering) CGPA: 2.4
2006- Cadet College Kohat, Pakistan
(HSSC (Pre-Engineering)) 938/1100
2004- Cadet College Kohat, Pakistan
(SSC (Science) 920/1050

EXPERIENCE
1. Eight weeks internship at PTCL Lahore, Pakistan.
2. Four weeks internship at Zong ltd. Lahore, Pakistan.

AWARDS AND ACHIEVEMENTS
1. Working for my own NGO.

FINAL YEAR PROJECT
Detection of illegal packets over VOIP

SEMESTER PROJECTS
1. Development of cruise control system for a motorized miniature car using PIC microcontroller based PID controller.
2. Development of a power inverter using PIC microcontroller and a MOSFET based H-bridge
3. MATLAB based modulation, demodulation and channelization of various digital modulation techniques in-depth BER analysis & MATLAB based signal processing of speech signals.

TECHNICAL SKILLS
1. Programming languages: BASIC, VISUAL C++, 8051 ASSEMBLY,8086 ASSEMBLY(Debugger & Masm), MATLAB,
2. Applications: MS Office, Design lab PSPICE,Masm615, AutoCAD, Advanced Design System (ADS), Visual Studio, Wireshark

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Cooking & Reading.
2. Member University Cricket Team
3. Member University Hockey Team

REFERENCES
Col Prof Dr Shoab A Khan
Ammara Kazmi

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Computer Engineering) CGPA: 3.10
2008- Gujranwala Institute of Future and Technology, Pakistan
(HSSC (Pre-Engineering)) 830/1100
2006- Allama Iqbal Public High School Sialkot, Pakistan
(SSC (Science)) 842/1050

EXPERIENCE
1. Four weeks internship at COMCEPT, Islamabad Pakistan.
2. Three weeks internship at NUST, Rawalpindi Pakistan.

AWARDS AND ACHIEVEMENTS
1. Microcontroller WorkShop Certification.
2. Member of IEEE.

FINAL YEAR PROJECT
Complete hardware and Software of Arduino based Aerial Quadcopter.

SEMESTER PROJECTS
1. Variable Power Supply (0-12V).
2. Lexical analyzer (c++). 
4. Chatter bot (C++)
5. Database of a Furniture Showroom (SQL).
6. TeleMedicine (Internship at Comcept, 2010)
7. Database of a Furniture Showroom (SQL) and a Hotel (C++).
8. Floating point Adder in IEEE format (Matlab)

TECHNICAL SKILLS
1. Programming languages: BASIC, VISUAL C++, C,C++,VB.net, C#, Python, MATLAB, OpenGL, SQL etc
3. Complete understanding of networking devices e.g., Routers, Switches, Hubs.

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Debates Poetry & Reading.
2. Pencil Sketching.

REFERENCES: Col Prof Dr Shoab A Khan
OBJECTIVE:
Seeking job to demonstrate my capabilities and to learn through hands on experience, to perform consistently and meet the organization’s expectations.

EDUCATION:

<table>
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<tr>
<th>Particulars</th>
<th>Institute</th>
<th>Year</th>
<th>Grade/CGPA</th>
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<tbody>
<tr>
<td>BE Computer Engineering</td>
<td>College of Electrical and Mechanical Engineering (CE&amp;ME), NUST, Rawalpindi</td>
<td>2008 – To date</td>
<td>CGPA 4.00</td>
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<td>Currently in 8th (final) semester</td>
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<td>Certificate (HSSC)</td>
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<td>(SSC)</td>
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</tbody>
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EXPERIENCE:
- Internship at Center for Advanced Research and Engineering (CARE) 5th July 2010- 5th September 2010
  - Developed an interface for software Defined Radio (SDR)
  - It included loading, creating and saving different components at run time
  - Connected it with xml file i.e. it took information of different components from xml file and save new ones in xml
    The above was done in C#

AWARDS AND ACHIEVEMENTS:
- Scholarship holder throughout the undergraduate program.

FINAL YEAR PROJECT:
- Implementation of Speaker Recognition System using HADOOP Clusters.

TECHNICAL SKILLS:
- Programming Languages: Visual C++, C#, C, MATLAB, Python, Verilog, SQL.
- Tools: AutoCAD, PSpice, Xilinx, SQL Server Management Tool

REFERENCES:
Will be provided on request.
OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION

<table>
<thead>
<tr>
<th>Year</th>
<th>Institution</th>
<th>Course</th>
<th>CGPA/Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012-Present</td>
<td>College of E &amp; ME, NUST, Rawalpindi, Pakistan</td>
<td>BS in Computer Engineering</td>
<td>3.47</td>
</tr>
<tr>
<td>2005-2007</td>
<td>Jinnah College for Women, Peshawar, Pakistan</td>
<td>HSSC (Pre-Engineering)</td>
<td>929/1100</td>
</tr>
<tr>
<td>2003-2005</td>
<td>Frontier Youth’s Academy, Peshawar, Pakistan</td>
<td>SSC (Science)</td>
<td>930/1050</td>
</tr>
</tbody>
</table>

EXPERIENCE

1. Internship at NTC (National Telecommunication Corporation)
2. Internship at Ufone
3. Internship at EME

AWARDS AND ACHIEVEMENTS

1. Scholarship in 2nd and 4th semester for obtaining gpa above 3.5
2. 2nd position among female in HSSC and 8th position overall
3. Stood among top20 positions in SSC

FINAL YEAR PROJECT
Fabrication and controlling of Quadcopter

SEMESTER PROJECTS

1. Database for furniture ordering shop (SQL)
2. M-Ary Amplitude Modulation (C++)
3. Floating Point Adder(Verilog)
4. Fourier Series and Analysis of periodic signals implementation on dsp kit
5. Detection of Cotton Wool Spots in a Retinal Image
6. Variable Power Supply(0-12V)

TECHNICAL SKILLS

1. Programming Languages:C++,C#,Vb.net,Opengl,Asp.net,8086 ASSEMBLY(Debugger&Masm),MATLAB,Python,Verilog,SQL,HTML,CSS
2. Applications: MS Office, Design lab PSPICE, Proteus, Masm615, Keil, AutoCAD, Opnet, Xilinx,VMware,QiCii,Arduino.

EXTRACURRICULAR ACTIVITIES

1. Won several Calligraphy competitions
2. Won many painting competitions at national and international level

REFERENCES
Col Prof Dr Shoab A Khan
Aysha Mahmood

OBJECTIVE
To work in an organization which offers a professional and healthy working environment and enables me as a fresh graduate to grow and learn while meeting the cooperation’s goals as well.

EDUCATION

2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Computer Engineering)  CGPA: 3.54

2008-   Islamabad College for Girls, F-6/2, Islamabad
(HSSC (Pre-Engineering))  875/1100

2006-   Islamabad College for Girls, F-6/2, Islamabad
(SSC (Science))  925/1050

EXPERIENCE

➢ Internship at Siemens Pakistan
  • Learn and gain experience to work on SAP R3 environment.
  • Worked in three different module of SAP Basis module of SAP, Finance module of SAP and HR module of SAP to achieve diversity in knowledge.

AWARDS AND ACHIEVEMENTS
1. Have been awarded NUST scholarship for the last four semesters.
2. Have been declared as a distinguished student from the university for the last four semesters

FINAL YEAR PROJECT
Time synchronized communication system.

SEMESTER PROJECTS
1. Implementation of communication system using frequency shift keying in Xilinx.
2. Implementation of Cordic algorithm in Xilinx.
3. Development of application, multiple workshop management system, using C-sharp and SQL.
4. Diabetic retinopathy and detecting macula, fovea from retinal images in MATLAB.
5. Development of programming language compiler in C++ using data structures.
6. Design and fabrication of power supply.
7. Development of chatbot communicating device using artificial intelligence in C#.
8. Lexical Analyzer in C#.

TECHNICAL SKILLS
1. Programming Languages: Visual C++, C#, C, MATLAB, Python, Verilog, SQL.
2. Tools : AutoCAD, PSpice, Xilinx, SQL Server Management Tool

EXTRACURRICULAR ACTIVITIES
1. Director of arts and décor in EME Olympiad 2011.
3. Member of organizing committee of COMPPEC (software competition) 2009 and 2010.
4. Senior coordinator in BURAQ (the literary club).
5. Member of organizing committee of NUDC (national university debating competition), APDC (All Pakistan debating competition) and other major events held in university.

INTERSTS AND HOBBIES:
1. Designing clothes, surfing net, writing diary, shopping and reading articles.

REFERENCES
Brig Prof Dr Shoab A Khan
OBJECTIVE:
Seeking a challenging and promising position in industry with responsibilities that will effectively utilize my communication, leadership, technical and organizational skills.

EDUCATION:

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Institute</th>
<th>Year</th>
<th>Grade/CGPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>BE Computer Engineering</td>
<td>College of Electrical and Mechanical Engineering (CE&amp;ME), NUST, Rawalpindi</td>
<td>2008 – 2012</td>
<td>CGPA 3.48 Currently in 8th (final) semester</td>
</tr>
<tr>
<td>Higher Secondary School Certificate (HSSC)</td>
<td>F.G College For Women F-7/2 Islamabad</td>
<td>2006-2008</td>
<td>932/ 1100</td>
</tr>
</tbody>
</table>

EXPERIENCE:
- Internship at Center for Advanced Research and Engineering (CARE) July 2010-Sep 2010

AWARDS AND ACHIEVEMENTS:
- Merit Scholarship holder in undergraduate program.

FINAL YEAR PROJECT:
- Remote Access to FPGA
  - The project aims to setup a virtual lab in E&ME college where clients from any part of the country can access fpga through our server and verify their code for results.
  - C# has been used

SEMESTER PROJECTS:
- Character recognition using neural networks
- Database for Metro Cash n Carry.
- 16 bit floating point adder using DSP 48.
- Designed MASK in digital communication (amplitude shift keying).
- Networking between two systems using socket and encryption and decryption of files.
- Designed lexical analyzer.
- Retinal cotton wool detection.

TECHNICAL SKILLS:
- Programming Languages: Visual C++, C#, C, MATLAB, Python, Verilog, SQL
- Tools: AutoCAD, PSpice, Xilinx, SQL Server Management Tool

EXTRACURRICULAR ACTIVITIES:
- Organizer of All Pakistan Project Exhibition COMPPEC 2009 & 2010 held in E.M.E.
- Co-president of Admin for COMPPEC 2011 held in E.M.E.
- Member of promotion wing of Society for promotion of arts and literature.
- Member of registration team of Olympiad held in EME.

REFERENCES:
Will be provided on request.
OBJECTIVE
To work in an environment that provides the opportunity to grow as a professional both in terms of theory and practice. Also offers a platform to learn and exceed in the best fashion possible.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Computer Engineering) CGPA: 3.26
2008- Fazaia Intermediate College Lahore,
(HSSC (Pre-Engineering)) 870/1100
2006- A.P.S. (Azam Garrison) for Girls, Lahore
(SSC (Science)) 938/1050

EXPERIENCE
➢ Internship at Warid Telecom Pakistan
  • Learn and gain experience to work on TICKER and WALL BOARD applications.
  • Worked in three different modules of IT- Contact Center Operations Department.

AWARDS AND ACHIEVEMENTS
1. Have been awarded NUST scholarship for the last two semesters.
2. Have been declared as a distinguished student from the university for the last two semesters

FINAL YEAR PROJECT
Time synchronized communication system.

SEMESTER PROJECTS
1. Implementation of communication system using frequency shift keying in Xilinx.
2. Implementation of Cordic algorithm in Xilinx.
3. Development of application, multiple workshop management system, using C-sharp and SQL.
4. Diabetic retinopathy and detecting macula, fovea from retinal images in MATLAB.
5. Development of programming language compiler in C++ using data structures.
6. Design and fabrication of power supply.
7. Development of chatbot communicating device using artificial intelligence in c#.
8. Lexical Analyzer in C#.

TECHNICAL SKILLS
1. Programming Languages: Visual C++, C#, C, MATLAB, Python, Verilog, SQL.
2. Tools : AutoCAD, PSpice, Xilinx, SQL Server Management Tool

EXTRACURRICULAR ACTIVITIES
1. Protocol and promotion head in COMPPEC (software competition) 2011.
2. Member of organizing committee of COMPPEC (software competition) 2009 and 2010.
3. Senior coordinator in BURAQ (the literary club).
4. Member of organizing committee of NUDC (national university debating competition), APDC (All Pakistan debating competition) and other major events held in university.

INTERESTS AND HOBBIES:
1. Designing clothes, surfing net, shopping and reading articles.

REFERENCES
Brig Prof DrShoab A Khan
Maria Khanum Bhatti

OBJECTIVE
To work in a professional and mature manner, being in a constant state of learning as a motivation and being in a state of satisfaction while giving utmost priority to moral values.

EDUCATION
2008-Present  College of E&ME, NUST, Rawalpindi, Pakistan  (BS in Computer Engineering)  CGPA: 3.23
2008- Bahria College Islamabad, Pakistan  (HSSC (Pre-Engineering))  924/1100 (84%)
2006- Bahria College Islamabad, Pakistan  (SSC (Science))  967/1050 (92%)

AWARDS AND ACHIEVEMENTS
1. Member of Administration team for Computer Project Exhibition and Competition (COMPPEC) 2010 and member of Arts & Décor Wing for (COMPPEC) 2009 & 2010
2. Scholarship holder for outstanding performance by the Federal Government Employees Benevolent Funds
3. Position holder for FBISE-HSSC Final Exam (Seventh position in College) and FBISE-SSC Final Exam (Second position in College)
4. Member of the overall Runner-up team (Netball) in Inter-Directorate Sports Tournament (session 2005-2006) held by FBISE
5. Appointment holder of the College Council in Bahria College

FINAL YEAR PROJECT

SEMESTER PROJECTS
1. Digital System Design of a Hybrid Adder in Verilog and Xilinx
2. Database for College Medical Room in SQL and .NET
3. Digital Communication through Transmitter, Receiver design in MATLAB
4. Human eye’s Image processing in MATLAB for aid in detecting Diabetes
5. Engineering Practice workshops on sand-casting, electric fitting, woodwork, forging

TECHNICAL SKILLS
MATLAB, Verilog, Visual Studio, SQL, MS Office

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Religious Lectures, Reading and Scientific Documentaries
2. Sports (Badminton)

REFERENCES
Brig. Dr. Shoab A Khan
OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan
( BS in Computer Engineering)  CGPA: 3.53
2008-  Army Public College, Humayun Road, Rawalpindi, Pakistan
( HSSC (Pre-Engineering)under FBISE)  904/1100(A Grade)
2006-  Army Public School, Humayun Road, Rawalpindi, Pakistan
( SSC (Computer Science)under FBISE)  927/1050(A Grade)

AWARDS AND ACHIEVEMENTS
1. President of the university Arts Club  CANVAS  of SPAL- Society for the Promotion of Arts and Literature
2. Recipient of Outstanding Performance Scholarship from FBISE and from NUST for obtaining SGPA above 3.50 in the 4th and 5th and 7th semesters.
3. Had been the Head of Arts/Graphics Wing of COMPuter Projects Exhibition and Competition (COMPPEC)2011

FINAL YEAR PROJECT
Wireless Sensors Network Based Cognitive Surveillance and Reporting System

SEMESTER PROJECTS
• Conducted a small-scale research on collecting real data of college MI Room and developed a database in Microsoft SQL Server and designed its application in C#
• Designed and implemented an e-Dictionary using Data Structures in C++
• Designed and implemented the Memory Management Processes inside an Operating System using C++
• Designed the syntax for a supposed computer language and created a Lexical Analyzer for its grammar using C++
• Implemented Character Recognition (Machine Learning) in MATLAB
• Detected macula, fovea inside the image of an eye using Digital Image Processing techniques in MATLAB
• Implemented Phase Shift Keying on Voice signal and carried out it’s Modulation/DeModulation in Digital Communication using MATLAB

TECHNICAL SKILLS
1. Programming languages: VISUAL C++, Microsoft Visual C#, Microsoft SQL Server, OPNET IT GURU, Verilog, NesC, MATLAB
2. Applications: MS Office, XilinX, Visual Studio, Visio

EXTRACURRICULAR ACTIVITIES
1. Keen interest in reading, writing, painting and internet surfing

REFERENCES
Col Prof Dr Shoab A Khan
Mehak Tofiq

OBJECTIVE
To obtain a position that will enable me to use my strong organizational skills, educational background, and ability to work well with people and enables me to make a positive contribution to the organization.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Computer Engineering) CGPA: 2.90
2007- Government College for women, Faisalabad, Pakistan
(Pre-Engineering) 873/1100
2005- Divisional Model College, Faisalabad, Pakistan
(O-levels)

EXPERIENCE
Internship at ufone Faisalabad.

AWARDS AND ACHIEVEMENTS
1. Participated in EME College’s event organizations.
2. Won spelling competitions and drawing competition.

FINAL YEAR PROJECT
Crowd Behaviour Detection using Motion Vectors.

SEMESTER PROJECTS
1) Database in C++. 2) Hotel management in C++.
3) Variable DC power supply (hardware). 4) Tic tac toe in c#.
5)Implementation of CPU scheduling in C++. 6) Lexical analyzer in C++.
9) Detection of an eye disease (drusen). 10) DTMF implementation on DSP kit.
11) Girls hostel database with application. 12) Implementation of FSK on voice signal.
13) FIR filter using Distributed Arithmetics. 14) Emotion detection.

TECHNICAL SKILLS
1. Programming languages: BASIC, VISUAL C++, C#, ASSEMBLY (Masm), MATLAB, VERILOG, PYTHON.
2. Applications: Xilinx, Visual Studio, SQL server, VMware, OPNET, MODELSIM, QICii, IDLE, PSPICE, Proteus, Masm615, Keil, AutoCAD.

EXTRACURRICAL ACTIVITIES
1. Interest in Reading, art and craft work
2. Sports (Badminton, Basketball)

REFERENCES
Col Prof Dr Shoab A Khan
(For uFone, reference available on demand)
Sidra Nadeem

OBJECTIVE
I want to work at an organization that can best enable me to utilize my engineering skills gained through the course of my degree by letting me work in a competitive environment and help me evolve as a professional.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Computer Engineering) CGPA: 3.06
2007- IMCG F-10/2
(HSSC (Pre-Engineering)) 857/1100
2005- IMCG F-10/2
(SSC (Science)) 895/1050

EXPERIENCE
Worked at Alcatel Lucent Pakistan as an internee on CM-Pak (Zong Telecom) project in IT department. (June- August 2010)

AWARDS AND ACHIEVEMENTS
Secured a funding of Rs. 75k from National ICT R&D fund under the National Grass-root Research Initiative for research on swarm systems. Completed the project well within the stipulated time of 1 ½ years. Other references on this project are available on request.

FINAL YEAR PROJECT
Swarm intelligence based mapping and intrusion detection system.

SEMESTER PROJECTS
1. SOC design
2. USART communication
3. Simple novel approach for OCR
4. Protocol-less hierarchical routing
5. Intelligent Lexical and Syntax Analyzer
6. Encrypted LAN Messenger
7. Energy efficient power supply

TECHNICAL SKILLS
1. Languages: Python, C++, C#.net, Socket Programming, Verilog, Microcontroller Programming

EXTRA CURRICULAR ACTIVITIES
1. Participated as an active member of the organizing teams of many national level competitions and events including
3. Was active part of the Student Council in my college; elected for the post of Treasurer and General Secretary in my 1st and 2nd Year of College respectively.
4. Stood 1st in All Islamabad dramatic Competition organized by Islamabad Traffic Police.
5. Secured 3rd position in All Pakistan Qirat Competition held in Garrison Academy, Lahore Cantt.

REFERENCES
References are provided on request
OBJECTIVE
To enhance potential, enthusiasm, social abilities and practice my engineering and interpersonal skills by working in a recognized organization.

EDUCATION

2009-2012: College of Electrical and Mechanical Engineering, National University of Science and Technology (NUST)  
B.E. Computer Engineering. (8th Semester Underway)  
CGPA: 3.89/4.0

2007-2008: Bahria College, Islamabad  
HSSC. (Pre-Engg)  
Marks: 925/1100  
Grade: A+

2005-2006: Fazaia Inter College, Islamabad  
SSC (Sciences)  
Marks: 945/1050  
Grade: A+

WORK EXPERIENCE

Worked at Alcatel Lucent Islamabad in Bids and Proposals Department.  
• Worked in Microsoft Visual Basic and Html for developing different softwares for the company.

Worked as Research Internee at Care (Centre for Advance Research in Engineering) Islamabad.  
• Studied different modules of Software Defined radio.

• Learnt OSSIE (Open Source SCA Implementation-Embedded) software and worked with Code Composer for DSP kit.

• Developed graphical user interface for SDR (Software Defined Radio) in visual C sharp.

AWARDS / ACHIEVEMENTS

• Scholarships from NUST in every semester for maintaining GPA above 3.5.

• Awarded scholarship from Shaheen Foundation for undergraduate studies.

• Awarded Commandant Plaque of Excellence for getting 4.0 GPA.

• Participated in 1st IEEE electronic Olympiad held in GIKI and participated in Microcontroller Interfacing Competition . Also participated in quiz competition in Softcom 2012 held at GIKI.

• Awardee of Chief of Air Staff Scholarship in school.

FINAL YEAR PROJECT

Speaker Recognition System Using Parallel Processing
The project employs and implements vital concepts of field of communication systems, networking, database and digital signal processing . The aim of the project is to implement speaker recognition on real time telephone lines through parallel processing on Hadoop cluster .

MAJOR PROJECTS WHILE PURSUING B.E DEGREE

• Developed graphical modules in OpenGL and designed database for a supermarket in SQL and C#.

• Designed and implemented variable DC power supply.

• Image processing and image compression in C++ and done extensive research on energy from tides.

• Designed different games in C++ like Snakes and Ladders etc and designed lexical analyzer in C#.

• Designed software for detection of hard and soft exudates using fuzzy c-means and ASK Transmitter in Matlab.

• Voice Activity Detection using Dsp Kit on Code Composer and Implemented Rotational Transformation on FPGA.

COMPUTER PROFICIENCY

• Microsoft Office, Programming languages (Visual Basic, C++,C#, Java,Python,OpenGL,Html ), Verilog (Modelsim and Xilinx), Assembly language.

• Engineering Tools such as PSPICE, MATLAB, Keil, PROTEUS, Express PCB, AutoCAD, PRO-E, Opnet ,Hadoop.

EXTRA CIRCULAR ACTIVITIES

• President of the Promotion wing of Society of Promotion of Arts and Literature in EME College.

• Being a part of College Basketball and Cricket team in Bahria College.

• Was an Head of Admin Wing of the organizing team of All Pakistan Project Exhibition COMPEC 2010-2011 and All Pakistan Declamation Contest (APDC 2009-2010) held in E.M.E.

• Organized 1st and 2nd EME Olympiad held in Oct 2010-11 as Deputy Head of the Registration Team.

REFERENCES: All references are provided on request.
AHMED KHAWAJA

Mobile: 0301-5308969
Home: 05822-445372

Objective:
To get a head start in my professional life and work in an environment that utilizes and enhances my technical skills.

Education:
Undergraduate
BE Computer Engineering
College of Electrical & Mechanical Engineering (NUST) 8th Semester
CGPA: 3.20

F.SC (Pre Engineering)
Govt. Model Science College Muzaffarabad 77.8%

Matric
Army Public School Muzaffarabad 77.8%

Semester Projects:
• Developed bank Database using Microsoft Visual C++
• Developed Quran console in Data Structure
• Designed 15 Volt Variable Power Supply
• Automated detection of hemorrhage in diabetic retinopathy images
• Basic lexical analyzer in c#
• Logistics Management System using Microsoft SQL Server/C#

Technical Tools And Kits:
Visual C++ Visual C# MatLab DSP KIT
MS Office Verilog/HDL SQL server management studio FPGA KIT

Final Year Project:
Physical layer implementation of Link16 protocol based tactical data network.

Strengths:
Team Player, Good Communication Skills, Quick Learner, Hard Working, Excellent project management skill

Awards & Recognitions:
• Player of winning team in EME champions league.
• Won the inter department football tournament.

Co-Curricular Activities:
• Director of Logistics in EME Olympiad 2011

Games
• Football
• Table tennis
• Cricket
PROFILE
Young career minded undergraduate with an aptitude for creating problem solving and analysis with attention to detail also blessed with excellent team skills and strong communication abilities.

EDUCATION
BE in Computer Engineering  
CGPA: 3.42/4.00
2006 – 2008 Islamabad College for Boys G-6/3 Islamabad  
HSSC (Pre-Engineering)  
GRADE: A
2005-2006 Anglo Arabic Public Sec. School Rawalpindi  
SSC (Computer)  
GRADE: A

EXPERIENCES

AWARDS & QUALIFICATIONS
1. Got Scholarship in 5th and 6th semester for scoring 3.5 GPA.
2. Awarded Best Student of the year 2005 in Anglo Arabic Public Secondary school and also got Scholarship.

FINAL YEAR PROJECT
Mobile NMS for Optimization of large scale Distributed Data Center
An SMS based solution for the optimization of large scale distributed data center. SMS is generated by Server automatically whenever a bug or predefined critical stages occurred at host while monitoring. Server is made capable enough to receive SMS, transform incoming SMS into executable command and sends the result back via SMS.

SEMESTER PROJECTS
1. Red spot detection (Diabetic Retinopathy) in MATLAB
2. Short Time FFT in DSP Kit.
3. University Scheduler (Artificial Intelligence) in C# .NET.
5. Variable Output Voltage A/C to D/C Converter On Vero Board.

TECHNICAL SKILLS
Programming Languages:
C#.Net, Visual C++, C, Verilog HDL, PHP, HTML, JAVA, Python, MASM 615, GW Basic
Software Tools:

REFERENCES
Furnished upon Request
341-D Block Satellite Town Sargodha, Pakistan
Phone: +92-333-6406708
Email: malishahbaz@hotmail.com

Ali Shahbaz

OBJECTIVE
To get pragmatic approach to the field of Computer Engineering in an organized and environment so as to build and polish my skills to meet the competitive industry needs.

EDUCATION
2008 – till date College of E&ME, NUST, Rawalpindi, Pakistan B. Engineering in Computer Engineering CGPA: 3.11/4.00 (till 7th semester)
2006 – 2008 Punjab College of Information Technology Sargodha, Pakistan HSSC (Pre-Engineering) 874/1100
2006 St. Mary’s High School Sargodha, Pakistan SSC (Science) 943/1050

EXPERIENCE
4th July 2011 – 15th September 2011 Teradata GCC Islamabad, Pakistan
  • Website Development for Teradata Cares

AWARDS AND ACHIEVEMENTS
• 3rd Position in NTS
• Studied on scholarship in FSc

FINAL YEAR PROJECT
• Sentimental analysis of Twitter Data

SEMESTER PROJECTS
• Trend Analysis in student’s GPA using data warehousing and data mining techniques (SSIS, SSAS, SSRS)
• Library Management System (SQL Server, C#)

TECHNICAL SKILLS
• Programming Languages: C, C++, C#, Python.
• Development Platforms: Windows XP, 7, Ubuntu.
• Database: SQL Server, SSIS, SSRS, SSAS

EXTRACURRICULAR ACTIVITIES
• Keen interest in Poetry & Reading.
• Sports (Cricket, Football, Tennis)

REFERENCES
Will be furnished upon request
Syed Murtaza Hassan

OBJECTIVE
To be part of an organization that thrives on the latest technology whereby I can optimize my educational, technical and communication skills in a manner that would contribute to the progress of the organization.

EDUCATION
- 2008-Present College of E & ME, NUST, Rawalpindi, Pakistan (BE in Computer Engineering) CGPA: 3.17
- 2008- IMCB G-10/4 Islamabad, Pakistan (HSSC (Pre-Engineering)) 820/1100
- 2006- IMCB I-10/1 Islamabad, Pakistan (SSC (Science)) 886/1050

AWARDS AND ACHIEVEMENTS
- Selected in National Math talent Contest among candidates from my college.
- Secured Merit Scholarship in 3rd Semester.

FINAL YEAR PROJECT
Development of physical layer and data link layer on LINK 16 protocols.

SEMESTER PROJECTS
- Implemented Thesaurus using Data Structure in C/C++
- GUI Based Tie-Tac-Toe Game, using Windows Forms using C#.
- Eye hemorrhage detection from image of eye using MATLAB
- Short Time Fourier Transform implementation on DSP Kit
- GUI Based Hospital Management System, using SQL and Windows Forms
- Implementation of (FIFO/LIFO) state machine on FPGA

TECHNICAL SKILLS
- Programming languages: C++, C#, Assembly, Verilog, SQL
- Development environments: Microsoft Visual Studio 98, 2005, 2008, Microsoft SQL Server, XILINX,
- Simulation Tools: PSPICE, PROTEUS, MATLAB, MODELSIM, OPNET IT

EXTRACURRICULAR ACTIVITIES
- Football 2 Cricket 3. tennis 4. Table Tennis

REFERENCES
Col Prof Dr Shoab A Khan
MAKHDOOM SYED MUHAMMAD BAQIR

OBJECTIVE
To work in an organization which offers a professional and healthy working environment and enables me as a fresh graduate to grow and learn while meeting the cooperation’s goals as well.

EDUCATION
- 2008-Present College of EME, NUST, Rawalpindi, Pakistan
  BE Computer Engineering  
  CGPA: 3.26
- 2006-2008 Punjab College, Rahim Yar Khan, Punjab, Pakistan
  HSSC (Pre-Engineering)  
  863/1100
- 2004-2006 Govt. Comprehensive School, Rahim Yar Khan, Pakistan
  SSC (Science)  
  909/1050

EXPERIENCE
- Internship at Technology Nucleus Pvt. Ltd. In July 2010.
  - Learnt basics of Cuda C.

HONOUR AND AWARDS
- GPA based Scholarship in 6thsemester.
- Class Representative since my 1st semester.
- Admin in COMPECC (software competition) 2011.
- Ambassador ILO NUST.

FINAL YEAR PROJECT
- Development of software architecture of a multi-agent intelligent autonomous system in a dynamic adversarial environment.

SEMESTER PROJECTS
- Implementation of communication system using frequency shift keying in Xilinx.
- Improved the efficiency of Bubble Sort algorithm from quadratic to linear.
- Development of application, multiple workshop management system, using C-sharp and SQL.
- Diabetic retinopathy and detecting Drusen from retinal images in MATLAB.
- Development of programming language compiler in C++ using data structures.
- Console based E-Mailing System using C++.
- Console based C++ application to display the calendar of any year.
- Console based Mine Sweeper Game using C++.
- Development of an application that suggests friends in a social network using artificial intelligence in Python.
- Lexical Analyzer in C#.
- Development of Database Application for shop record management and Data-Warehousing.

TECHNICAL SKILLS
- Programming Languages: C++, C#, C,Cuda C, MATLAB, Python, Verilog, SQL.
- Tools: AutoCAD, PSpice, Xilinx, Eclipse, SQL Server Management Tool.

EXTRACURRICULAR ACTIVITIES
- Interest in computer software.
- Sports (Badminton, Cricket).
- E-Gaming.
OBJECTIVE
To get a head start in my professional life and work in an environment that utilizes and enhances my technical skills.

EDUCATION
2008- Present College of E & ME, NUST, Rawalpindi, Pakistan
(BE Computer System Engineering) CGPA: 3.73
2008- Islamia College Peshawar 906/1100
2006- Govt High School Dallo Khel
Lakki Marwat 853/1050

AWARDS AND ACHIEVEMENTS
1. Received NUST high achievers scholarships for seven semesters
2. Got third position in all district government schools in SSC 9th exam

FINAL YEAR PROJECT
Physical layer implementation of Link16 protocol based tactical data network

SEMESTER PROJECTS
1. Hospital Management System in Microsoft Access
2. Automated detection of hemorrhages in diabetic retinopathy images in Matlab
3. Snakes and ladders game in C++
4. Console Quran search application in C++
5. Basic lexical analyzer in c#
6. A GUI based simulation of Operating System in C#

TECHNICAL SKILLS
1. Programming languages: VISUAL C++, VISUAL C#, Python, PHP/MYSQL, Verilog
2. Applications: MS Office, Visual Studio, Proteus, Keil, Xilinx

EXTRACURRICULAR ACTIVITIES
1. Director logistics EME Olympiad 2011
2. Member of NUST Volunteers Club
3. Member of EME Environmental Club

REFERENCES
Lec Yasir Jan
MOHAMMAD ZAIN HAIDER

OBJECTIVE
An ambitious, hardworking person with good leadership and communication skills, with an aim to make a mark in projects I claim to be a part of most prominent and exciting enterprises operating in Pakistan

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering)
2008- Beaconhouse Educational Complex-A-levels
(Pre-Engineering)
2006- Beaconhouse School System O-Levels
(Pre-Engineering)

EXPERIENCE
1. 4 weeks Internship in Marketing and Sales Department in 3w Systems Rawalpindi
2. Internship in TTO (Transfer Technology Office) of NUST H-12 at CIE (Center of Entrepreneurship and Innovation

AWARDS AND ACHIEVEMENTS
1. 262 Merit position in NUST entrance test
2. Chairperson IEEE CEME Student Chapter

FINAL YEAR PROJECT
- Simulation of Orthogonal Frequency Division Multiple Access (OFDMA) leading from MATLAB simulation to implementation on Software Defined Radios (SDR)

SEMESTER PROJECTS
- Interactive Chat Box for remote Grocery Ordering in C++
- Developed a Bus Travelling System to handle data of employee using MySQL and C#
- Developed a Bus Controller in Verilog

TECHNICAL SKILLS
1. Programming languages: BASIC, VISUAL C++, , MATLAB, C#
2. Applications: MS Office, Design lab PSPICE, Proteus, AutoCAD, Xilinx, Visual Studio

EXTRACURRICULAR ACTIVITIES
1. Organizing Technical Events (Speed Programming, Tech Hunt, Workshops) and doing Social Work.
2. Sports (Cricket, Tennis, Table, Tennis, Football, Swimming)
Muhammad Asim Khalid

OBJECTIVE
A career in a challenging and competitive environment where I can practically apply and improve the technical and managerial skills acquired from my education.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BE in Computer Engineering) CGPA: 2.73
2006- F.G Sir Syed College for Boys Rawalpindi, Pakistan
(HSSC (Pre-Engineering)) Grade A
2004- Army Public School Rawalpindi, Pakistan
(SSC (Science)) Grade A+

EXPERIENCE
1. Four weeks internship at Mobilink (Department of RF Optimization), Pakistan.

AWARDS AND ACHIEVEMENTS
1. All Pakistan FG inter-collegiate champion
2. Army Public Excellence award

FINAL YEAR PROJECT
Swarm Intelligence based mapping and intrusion detection system

SEMESTER PROJECTS
1. Designed an assembler using C++ as a Computer Architecture project.
2. Networking between two systems using socket and encryption and decryption of files.
3. Intro. To C/C++: Coded the E-phonebook in C++ Language.
4. Simulation of Traffic lights systems as a Digital Logic and computer Design Project.
5. Designed a media player in C++ as a part of Data Structures project.

TECHNICAL SKILLS
1. Programming languages: VISUAL C++, MATLAB, Open CV, C#, PHP, MySql, HTML, Verilog

EXTRACURRICULAR ACTIVITIES
1. Sports (Basketball, Football, Cricket, Table Tennis)
2. Keen interest in technology and gadgets
3. Organizing member All Pakistan Computer Engineering Projects Exhibition (COMPPEC)

REFERENCES
Col Prof Dr Shoaib A Khan
MUHAMMAD HARIS

OBJECTIVE
To get pragmatic approach to the field of Computer Engineering in an organized and environment so as to build and polish my skills to meet the competitive industry needs

EDUCATION
2008 – till date  College of E&ME, NUST, Rawalpindi, Pakistan B. Engineering in Computer Engineering  CGPA:3.47/4.00 (till 7th semester)
2007 – 2008  Pakistan International Public School & College Abbottabad, Pakistan  HSSC (Pre-Engineering)  888/1100
2006  Pakistan International Public School & College Abbottabad, Pakistan SSC (Science)  911/1050

EXPERIENCE
24th July 2010 – 15th September 2010  Altair Technologies, Islamabad, Pakistan
•  Intern [iPhone Application Development]
  Essentials of Mac OS,Objective-C,Game development using unity 3d.

15th July 2011 – till date  Myenterpriseapp, California, USA
•  Software Engineer [iPhone Application Development]:
  Code writing of games.In App Purchases,Game Center,Tracking sdks with iOS Apps.

AWARDS AND ACHIEVEMENTS
•  1st Position in HSSC (Pre-Engineering group)
•  Got scholarships in two semesters in NUST College of E&ME,Rawalpindi.

FINAL YEAR PROJECT
•  LINK 16 Protocol for Data link and Network Layer

SEMESTER PROJECTS
•  3D modeling of real world objects in opengl.
•  An image puzzle using graphics in c#.

TECHNICAL SKILLS
•  Programming Languages:  C, C++, C#, Objective-C.
•  Development Platforms:  Windows XP, Mac OS.
•  Graphics Designing and 3D Modeling tools:  Adobe PS, Gimp,Unity3d

EXTRACURRICULAR ACTIVITIES
•  Keen interest in Poetry & Reading.
•  Sports (Cricket, Football, Table Tennis)

REFERENCES
Col Prof Dr Shoab A Khan
OBJECTIVE
I am seeking to work in an environment conducive to my abilities; where my temperament for first-hand learning and adaptation is tested to make me evolve as a strong professional.

EDUCATION

- College of EME, NUST – Dept. of Computer Engineering (Currently Enrolled) - 2012
  - B.E. Computer Engineering (CGPA : 3.23)
- Lahore Grammar School Johar Town Senior Boys Branch – 2008
  - GCE Advanced levels (3 As, 2 Bs)

PROFESSIONAL/ORGANISATIONAL EXPERIENCE

- Internship at Technology Transfer Office, Directorate of Innovation and Commercialization, NUST H-12 (Jun -2012)
- Appointed Campus Ambassador for Teach for Pakistan (2012)
- President of the Sports and Adventure Society at College of EME (2011-2012)
- Vice-Chair of the IEEE Student body at College of EME (2011-2012)
- Appointed Convener for EME Olympiad 2011
- Internship at SANJOG, NGO working against Child Abuse in Pakistan (4 weeks - 2007)

ACHIEVEMENTS AND AWARDS

- Awarded the plaque of excellence, by Commandant College of E & ME in recognition of services performed as part of the CampBuzz Editorial board (2009-2010)
- Selected Member of the year for the Sports and Adventure Society, College of E & ME
- Awarded Merit Scholarship at College of E & ME, for outstanding performance in academics (1st and 6th Semester)

FINAL YEAR PROJECT

- FYP : Simulation of Orthogonal Frequency Division Multiple Access (OFDMA), leading from MATLAB simulation to implementation on Software Defined Radios, and investigating role in 4G networks
  - Project examines techniques of OFDM and a module for use by multiple users has been implemented

SEMESTER PROJECTS

- Interactive ChatBot for remote Grocery Ordering
  - Artificial Intelligence project; developed in C++, simulating conversation with the customers
- Simulation of Bus Controller Behavior in Verilog
  - An examination of how a bus controller behaves while granting access to a shared channel
- School Management System – developed using MySQL and C# 
  - Developed School Management System to handle database of students and day-to-day functions

SKILLS

- Frequent public speaker with fluency in English and Urdu
- Adept at writing reports, conducting successful presentations
- Have experience working in, and managing teams for successful events, projects
- Have sufficient command over C++, C#, SQL, Verilog and MATLAB

EXTRA CURRICULAR ACTIVITIES

- Event Management
  - Part of several organizational teams, several times in a leading role, in events at the National, and twin city level; including: COMPPEC 2010, COMPPEC 2011, EME OLYMPIAD 2010, EME OLYMPIAD 2011.
- Writing Prose
  - Editor in Chief of various publications (CampBuzz CEME, Annual Alumni Magazine 2011, Annual School Magazine 2008 LGS JT)
- Poetry
  - Winner All-Pakistan Mumtaz Hassan Memorial Poetry Competition 2006
- Sports (Cricket, Football, Basketball)
Syed Ghazanfar Abbas Rizvi

OBJECTIVE
To seek job in a well-established organization, where I can utilize my skills.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan (BE in Computer Engineering) CGPA: 2.82
2008- Bahria College NORE-I, Karachi, Pakistan (HSSC (Pre-Engineering)) 734/1100
2006- Bahria College NORE-I, Karachi, Pakistan (SSC (Science)) 846/1050

EXPERIENCE
1. 2 month internship at Technology Nucleus PVT. Limited (July – August 2010).
2. 6 months internship at Tunacode PVT Limited. (July – December 2011)

FINAL YEAR PROJECT
GPU Accelerated Motion Detection & Tracking

PROJECTS
1. GPU Accelerated image feature detection and tracking.
3. Simulation of digital communication by frequency shift keying modulation using MATLAB
4. Detection of micro-aneurysms in retinal images using MATLAB.
5. Application for demonstrating the use of triangles as the building blocks of computer graphics objects.
6. Lexical analyzer for C++ and C#.
7. Application to search and display the required data from a text file.
9. Database for student record management.
10. Dual polarity -15V to +15V DC power supply.

TECHNICAL SKILLS
2. Applications: MS Office, MATLAB, MS Visual Studio, MS Expression Studio, Adobe Photoshop, MS SQL Server, ISE Xilinx

EXTRACURRICULAR ACTIVITIES
1. Reading Urdu Poetry & Literature.
2. Keen interest in latest computer software.

REFERENCES
Prof Dr Shoab A Khan
Syed Murtaza Hassan

OBJECTIVE
To be part of an organization that thrives on the latest technology whereby I can optimize my educational, technical and communication skills in a manner that would contribute to the progress of the organization.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BE in Computer Engineering) CGPA: 3.45
2008- ICB G-6/3 Islamabad, Pakistan
(HSSC (Pre-Engineering)) 866/1100
2006- ICB G-6/3 Islamabad, Pakistan
(SSC (Science)) 878/1050

AWARDS AND ACHIEVEMENTS
• Selected in LUMS NOP Batch 2007 among candidates from all over Pakistan.
• Selected in National Math talent Contest among candidates from my college.
• Secured Merit Scholarship in 3 Semesters.

FINAL YEAR PROJECT
Development of physical layer and data link layer on LINK 16 protocols.

SEMESTER PROJECTS
• Implemented 2 player Chess game in C/C++
• Implemented Thesaurus using Data Structure in C/C++
• GUI Based Tic-Tac-Toe Game, using Windows Forms using C#.
• Eye hemorrhage detection from image of eye using MATLAB
• Short Time Fourier Transform implementation on DSP Kit
• GUI Based Hospital Management System, using SQL and Windows Forms
• Implementation of (FIFO/LIFO) state machine on FPGA

TECHNICAL SKILLS
• Programming languages: C++, C#, Assembly, Verilog, SQL
• Simulation Tools: PSPICE, PROTEUS, MATLAB, MODELSIM, OPNET IT

EXTRACURRICULAR ACTIVITIES

REFERENCES
Col Prof Dr Shoab A Khan
OBJECTIVE
As a Graduate to apply my skills, knowledge and capabilities in a Challenging and Innovative Environment for the Advancement of Networking and IT/Engineering.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan (BS in Computer System Engineering) CGPA: 3.00
2008- Islamia College Civil Lines Lahore, Pakistan (HSSC (Pre-Engineering)) 790/1100
2006- Islamia Collegiate School Peshawar, Pakistan (SSC (Science)) 817/1050

EXPERIENCE
• 5 weeks workshop on Cisco routing and switching (CCNA July- Aug 2011).
• Internship at College of EME (Microcontrollers 1st Sep-21st Sep 2010).

AWARDS AND ACHIEVEMENTS
• Military front guard member at school
• Hostel prefect at college.
• Carried honorary appointment of Jonier NUST Student at college of E&ME.
• Carried honorary appointment of senior NUST student at college of E&ME.

FINAL YEAR PROJECT
Communication Controllers Implementation on FPGA and GUI in C-Sharp for Network On Chip (NOC) Based Architecture

SEMESTER PROJECTS
• Student Data Base Using C++.
• Electronic Circuit Solver Using C++ (Data Structure).
• Scientific Calculator And Tic-tac Toe Game Using C-Sharp.
• Priority Queue Scheduling Using Data Structure in C++.
• Developed “Finger Print Identification ” using Matlab 2008 in 6th Semester
• DMA Controller Implementation on FPGA in Verilog Using Xilinx.
• Data Transmission (FM modulation) on DSP-Kit Using Code Composer
• Developed “Student Data Base System” in 7th semester using SQL SERVER 2008 and VISUAL STUDIO.
• Proteus Design and PCB implementation of a 0-12 volt variable DC power supply.

TECHNICAL SKILLS
1. Programming languages: C#, VISUAL C++, 8051 ASSEMBLY,8086 ASSEMBLY(Debugger & Masm), MATLAB, Verilog,
2. Applications: MS Office, Design lab PSPICE, Masm615, AutoCAD, Xilinx, Visual Studio, Cisco Packet tracer, Opnet Guru

EXTRACURRICULAR ACTIVITIES
1. Movies and Dramas.
2. Cricket and Computer gaming.
OBJECTIVE:
To obtain a position that will enable me to use my strong educational background, ability to work well with people and to enhance my technical and professional skills.

EDUCTION:

2006-2008: FSc, F.G Sir Syed College, Rawalpindi, 838/1100

2004-2006: Matric, Army Public School and College, Rawalpindi, 908/1050

FINAL YEAR PROJECT:
Location Based Augmented Reality Application on “Android”.

SEMESTER PROJECTS:
• Implementation of First In First Out/Last In First Out (FIFO/LIFO) state machine on FPGA
• Simulation of Digital Communication, using Amplitude Shift Keying (ASK) modulation on MATLAB
• GUI Based Hospital Management System, using SQL and Windows Forms
• Micro-aneurysm Detection from Colored Images, using MATLAB
• Short Time Fourier Transform implementation on DSP Kit
• Application for demonstrating the use of triangles as the basic building blocks of computer graphics objects, using OpenGL or C#
• GUI Based Lexical Analyzer for C++ & C#, using Windows Forms
• Console Based Search application in C++, to search and display the required data from a text file
• Console Based C++ application, for aptitude test preparation with adaptive learning.

TECHNICAL SKILLS:
• Programming languages: C++, C#, Java, Assembly, Python, Verilog, SQL
• Simulation Tools: PSPICE, PROTEUS, MATLAB, MODELSIM, OPNET IT
• Designing tools: AutoCAD, Adobe Photoshop
• Office tools: Microsoft Word, Microsoft PowerPoint, Microsoft Excel, Microsoft Access, Microsoft Visio

EXTRA CURRICULAR:
• Reading, Swimming, Squash, Meditation
Waleed Mazhar Abbasi

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan (BE in Computer Engineering) CGPA: 3.86
2008 Garrison Academy Kharian Cantonment, Pakistan (HSSC (Pre-Engineering)) 862/1100
2006 Army Public School Kharian Cantonment, Pakistan (SSC (Science)) 942/1050

EXPERIENCE
- 6 week internship at IT Department, SCHLUMBERGER, Pakistan.

AWARDS AND ACHIEVEMENTS
- Scholarship holder in all semesters.
- Student appointment at university.
- Was awarded Role of Honors NUST in seven semesters.
- Head Logistic Wing COMPEC NUST.

FINAL YEAR PROJECT
Development of a tactical data network based on LINK 16 protocols.

SEMESTER PROJECTS
- Database driven community website abbsi.netii.net using PHP/MySQL/AJAX.
- College Management System using Microsoft SQL Server/C#.
- Automated Detection and Quantification of Hemorrhages in Diabetic Retinopathy Images Using Image Arithmetic and Mathematical Morphology Methods.
- GUI based simulation of Operating System in C#.
- Quran Search Program in C++ using Data Structures.
- Basic Lexical Analyzer in C#.

TECHNICAL SKILLS
- PHP, MySQL
- C Sharp
- MATLAB
- Dreamweaver
- Python
- C++
- Microsoft SQL Server
- Verilog
- Assembly Language

EXTRACURRICULAR ACTIVITIES
- E-Gaming
- Sports (Cricket, Table Tennis)

REFERENCES
Will be furnished on demand.
Zargham Khan

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Computer Engineering) CGPA: 2.52
2008- Cadet College Kohat, Pakistan
(HSSC (Pre-Engineering)) 899/1100
2006- Cadet College Kohat, Pakistan
(SSC (Science)) 954/1050

EXPERIENCE
1. Eight weeks internship at Attock Oil Refinery, Pakistan.
2. Eight weeks internship at PTCL, Islamabad, Pakistan

AWARDS AND ACHIEVEMENTS
1. 8th position in Kohat Board

FINAL YEAR PROJECT
Protocol Analyzer for Voice over IP

SEMESTER PROJECTS
• Detection of Driver Drowsing in Image Processing
• Implemented Power Supply using hardware and Full Adder on Microcontroller
• Optical Character Recognition using Neural Networks
• Linear Predictive Coding for Speech Compression

TECHNICAL SKILLS

EXTRACURRICULAR ACTIVITIES
• House Commander Cadet College Kohat
• Senior Supervisor for Dramatics Club Cadet College Kohat
• President Discipline Committee Cadet College Kohat
• Captain Cadet College Kohat Basketball Team and EME College Team

REFERENCES
Col Prof Dr Shoab A Khan
MUHAMMAD HASSAAN

OBJECTIVE
To utilize my potential & zest for attaining excellence & to come up with the expectations of the organization I serve.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BE in Computer Engineering) CGPA: 2.60
2008 Edwards College, Peshawar
(HSSC (Pre-Engineering)) 885/1100
2006 Army Public School & College(Zamzama) Nowshera Cantt
(SSC (Science)) 931/1050

EXPERIENCE
Code Enterprise Pvt. Ltd Islamabad with the key responsibilities of Web Development and Project Management.

AWARDS AND ACHIEVEMENTS
Attended a 5 week workshop on CISCO Routers and Switching devices held inEME.
- Got position in pre-engineering (F.Sc- Edwards College Peshawar).

FINAL YEAR PROJECT
Mobile Network Management System (NMS) for large scale distributed data centre.

SEMESTER PROJECTS
SQL : Hotel management system
Technical Writing : Designed a brochure for Procter & Gamble (P&G)
Usman Sajid
Address: H. No. 279-B, Street 55, Sector I-8/3 Islamabad, Pakistan  
+92-321-5854512, +92-051-9101768, +92-51-4435501(Permanent) 
Email: usman.sajid14@gmail.com, usman.sajid14@yahoo.com

AREA OF INTEREST
Software Application development, Windows and Android Phone Application Development, Software Engineering, Analysis of Algorithms, Data Structures

EDUCATION
2008-2012 NATIONAL UNIVERSITY OF SCIENCES AND TECHNOLOGY (NUST) Islamabad
COMPUTER ENGINEERING DEPARTMENT (Currently enrolled in 8th (last) semester)
BE (Computer Engineering)
CGPA: 3.48/4.00

2007-2008 Islamabad Model College for Boys F-8/4 Islamabad
FSC (Pre-Engineering) 
Grade: A+

2005-2006 Islamabad Model College for Boys F-8/4 Islamabad
Matriculation (Science Group) 
Grade: A+

EXPERIENCE
Develop “Voice Controlled Cellular System for Special Citizen” software under the guidance of Microsoft Pakistan and LMKR professionals.

ACHIEVEMENTS/HONORS
• Part of the team that won first prize in Microsoft Imagine Cup Pakistan 2011 in Software Design Category. The team represented Pakistan in worldwide finals held in New York, USA.
• Recipient of NUST academic Scholarship for four times
• Got distinction at national level by securing maximum marks(100/100) in Hifz oral exam
• Lead my team to win Federal inter-school Table tennis championship Team Event in 2006
• Team Captain of the runners up team at Federal Inter-Collegiate Table Tennis Championship Team Event in 2008
• Member of University's Football and Table Tennis teams.

FINAL YEAR PROJECT
Voice controlled interpreter (Vinter) is a voice controlled software system meant to provide the continuous real time speech recognition and languages (English, Urdu, Arabic) translation functionality so that two or more users can interact with each other (with the device acting as the interpreter).The software system can be implemented on Personal Computers (PCs) capable of running MS WINDOWS7 Operating System as well as on Windows phones.

SEMESTER PROJECTS
• Voice Controlled Cellular System for Special Citizen
  Developed a Windows7 third party voice-controlled tool, targeted towards physically handicapped and blind users, who have difficulty to operate computer using a standard keyboard and mouse.
• Interactive School System Software
  Designed an educational and interactive software system which helps the primary school students in practicing their course topics as well as evaluates their strengths and weaknesses by taking tests in the subjects of Mathematics, English (Lessons and Grammar) and General Science.
• Linear Circuit Analyzer using Data Structures (.NET 2008): A simple but efficient implementation of Nodal(KCL) and Loop analysis(KVL) of a linear circuit using Linked list data structure
• C++ language Compiler using OOP (.NET 2008)
• Automated Schedule Generation System: Application developed in C# to provide GUI for a user to manage and manipulate timetable.
• Iris Recognition: Done Segmentation part of the Iris recognition using MATLAB
• SUSS GAME: A simple 2D game developed in .NET 2010 Express Edition using XNA Game Studio 4.0.
• Library Management System.
• Solar Sterling Engine: Done research work on construction and working of a solar sterling engine, used to generate electrical power, in the subject of thermodynamics.

SKILLS/TOOLS

INTERESTS
Football, Sports Articles, Blogging

REFERENCES
Brg. Prof Dr Shoab A Khan
OBJECTIVE
A hardworking person with good management and communication skills, thrive to be a part of and one of the most well established enterprises operating in Pakistan, to apply my technical skills in an industry.

EDUCATION
2008 – till date College of E&ME, NUST, Rawalpindi, Pakistan B. E in Computer Engineering CGPA: 2.9/4.00 (till 7th semester)

2008 Spring Field School System, Rawalpindi
GCE Advanced Levels
2A’s and 2B’s

2006 Spring Field School System, Rawalpindi
GCE Ordinary Levels
2A’s and 6B’s

EXPERIENCE
Summer internship at Centre for Advanced research in Engineering (CARE)
At research department, worked on a project on Software defined radio for 6 weeks.

AWARDS AND ACHIEVEMENTS
• Acquire fully Funded ICT Scholarship for Engineering.

FINAL YEAR PROJECT
Implementation of OFDMA (Orthogonal Frequency Division Multiple Access) modulation scheme on SDR (Software Defined Radio). OFDMA is a modern communication technique used in WiMAX and 4G networks for transmitting multiuser data on single channel to increase channel utilization and data rate.

SEMESTER PROJECTS
• Database system – made on SQL server and its interface made on C# for a distribution company.
• Full adder – Designed and build a full adder (two bit) circuit on PCB board
• Build a variable power supply (0-15) volts.
• Facial recognition by Digital image processing
• DSD project on Xilinx :DMA Verilog Coding for FPGA

TECHNICAL SKILLS
• Command in C/C++, C#, Matlab, Verilog HDL, SQL, Python, Xilinx, Proteus MS Office, Protek, AutoCad, Opnet, VMware workstation, , Control system software?
• Use of CRO, Power supplies, DMM and basic Circuit designing involving logic gates, amplifiers etc.
• PCB Circuit Design: Circuit Designing, PCB retching, drilling, component mounting and soldering

EXTRACURRICULAR ACTIVITIES
• Watching Movies and Sports
• Reading news about sports, forex, economy and various latest gadgets
• Playing sports like basketball, football, cricket

REFERENCES
Col Prof Dr Shoab A Khan
Asmat Ullah

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way..

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Computer Engineering) CGPA: 2.71
2006- Army Public College for Boys Rawalpindi, Pakistan
(HSSC (Pre-Engineering)) 694/1100
2004- Govt. High School Jatta Ismail Khel Karak, Pakistan
(SSC (Science)) 612/850

AWARDS AND ACHIEVEMENTS
1. Organizer of University Events (OLYMPIOD/ICT-COMPPEC) at EME College.
2. Got First Position in Speech Competition from Primary School side held at Tehsil level.

FINAL YEAR PROJECT
Identification of VOIP Protocol and illegal Encryption on High Bandwidth Networks.

SEMESTER PROJECTS
1. Snake and Ladder game using C++ software.
2. DBMS (Data Base Management System) formation of college student mess using the concepts of Visual studio 2008 and SQL server.
3. PSK (phase shift keying) implantation using the concept of Digital Communication using Matlab software.
4. FIR (Finite Impulse Response) formation using the concept of Digital Systems Design implemented on HDL Verilog.
6. Designed 15volts variable power supply.

TECHNICAL SKILLS
1. Programming languages: BASIC, VISUAL C++, 8051 ASSEMBLY,8086 ASSEMBLY(Debugger & Masm), MATLAB, HDL Verilog.

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Debates Poetry & Reading.
2. Sports (Cricket, Hockey, Snooker, Hiking, Swimming)

REFERENCES
Col Prof Dr Shoab A Khan
Muhammad Foaud Alam
House No 59 Lane 4, Askari 12,
Rawalpindi
0331-5052005
foaudwahla@gmail.com

Objective
Seeking a challenging position to exercise my skills to the best of my capabilities and work as a beneficial part of your organization.

Education

<table>
<thead>
<tr>
<th>Degree</th>
<th>Institution</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelors in Computer Engineering</td>
<td>College of E&amp;ME, NUST Rawalpindi</td>
<td>2008-2012</td>
</tr>
<tr>
<td>Higher Secondary School Certificate (HSSC)</td>
<td>F.G Sir Syed College Mall Road Rawalpindi</td>
<td>2006-2008</td>
</tr>
</tbody>
</table>

Technical Skills and Knowledge

- Programming languages C/C++, C#, Verilog, SQL database.
- Platforms Visual Studio .NET, ModelSim.
- System on Chip designing using Xilinx ISE.
- System Network Analysis and Layouts using Open IT guru.
- Simulation of different scientific systems using Matlab.
- Structural development of various tools using AutoCAD.
- Documenting proposals, project progress and technical details using Microsoft Office (Word, PowerPoint, Visio and Project).
- Ability to successfully manage multiple priorities and assignments.
- Possess strong interpersonal as well as communication skills.
- A dedicated team player having leadership abilities.

Semester Project

- Development of Database Application for shop record – management and Data warehousing.
- Development of application, Utility Store Billing System, using C-sharp and SQL.
- Generated and demodulated an amplitude shift keying using Matlab.
- Implemented a time shared sorter using Xilinx implemented on DSP kit.
- Diabetic retinopathy and detecting Drusen from retinal images in MATLAB.
- Developed a full adder on PCB using microcontrollers.
- Development of programming language compiler in C++ using data structure.
- Design and fabrication of power supply.
- E-Mailing System using C++.
- Console based C++ application to display the calendar of any year.
- Mine Sweeper Game using C++.
- Development of an application that suggests friends in a social network using artificial intelligence in Python.
- Lexical Analyzer in C#.

Final Year Project

- Project was aimed to develop strategy (Artificial Intelligence) and path planning for Robocop (Small League for Robotic Soccer). Automation of Multi-Agent systems is a relatively new field which deals with the development of Artificial Intelligence for robots to adapt in a rapidly changing environment accordingly.
OMAR ZIA TOOR

Permanent Address: H/No 55, Safari villas II, BahriaTown, Phase 7, Islamabad, Pakistan

E-mail: omarzia88@gmail.com

Contact No: Cell: 0334-5413634
Home: 051-5707208
Date of birth: 20 December 1988

Objective:
Seeking for an entry level position in Computer Engineering field with special emphasis on Networks and database development.

Education:

<table>
<thead>
<tr>
<th>Certificate</th>
<th>Institute</th>
<th>Year of Passing/Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Engineering. Major: Computer Science (Electrical Track)</td>
<td>College of Electrical and Mechanical Engineering. National University of Science and Technology, Pakistan.</td>
<td>2008-To Date CGPA-2.7</td>
</tr>
<tr>
<td></td>
<td>FG Sir Syed College The Mall Rawalpindi</td>
<td>70%</td>
</tr>
<tr>
<td></td>
<td>Garrison Academy, Quetta</td>
<td>81%</td>
</tr>
</tbody>
</table>

Semester Projects:

<table>
<thead>
<tr>
<th>Year</th>
<th>Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>Database system – implemented on SQL server and its interface made on C# for a vehicle sales and maintenance workshop. 7th semester project</td>
</tr>
<tr>
<td>2010</td>
<td>Full adder – implemented full adder circuit on PCB board 5th Semester project</td>
</tr>
<tr>
<td>2010</td>
<td>Variable power supply (0-15) volts. 4th semester project</td>
</tr>
<tr>
<td>2009</td>
<td>Compressed File System – Implementation of LZW file compression Algorithm In C++ 3rd semester project</td>
</tr>
<tr>
<td>2009</td>
<td>GRAPHICA – graphing calculator implementing basic calculus. 2nd Semester Project</td>
</tr>
</tbody>
</table>

Final Year Project:
We implemented OFDMA (Orthogonal Frequency Division Multiple Access) modulation scheme on SDR (Software Defined Radio). OFDMA is a modern communication technique used in WIMAX networks for transmitting multiuser data on narrow channel.

Internships:

**Summer internship at Fauji Fertilizer Company (IT Department):**
2011 At IT department I worked on Windows Server and studied company’s internal network. I also gained important knowledge regarding network designing and troubleshooting.

**Summer internship at Mobilink Islamabad (Sales Department):**
2010 At Mobilink sales department I worked on raw Mobilink sales data generated by the delivery officers in the market and made different reports using Microsoft Excel and Access.

Technical Skills:

- Electronics lab skills: Use of CRO, Power supplies, DMM and basic Circuit designing involving logic gates, amplifiers etc.
- PCB Circuit Design: Circuit Designing, PCB etching, drilling, component mounting and soldering

Computer Skills:

- Skilled in programming C/C++, C#, MATLAB, Verilog HDL, SQL, Python
- Able to use Proteus, Xilinx, AutoCAD, Microsoft Office Suite Applications, Photoshop, Microsoft visual studio and SQL server management studio
OBJECTIVE
To leverage my technical and programming skills like C++, C#, Python, Verilog as well as my soft skills, for the development of intelligent systems in a dynamic firm to propel the relevant parties to new heights.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan  
(BE in Computer Engineering) CGPA: 2.97
2008-   Sir Syed College Rawalpindi, Pakistan 
(HSSC (Pre-Engineering)) 853/1100
2006-   Army Public School Okara, Pakistan 
(SSC (Science)) 811/1050

EXPERIENCE
1. Team leader and a customer services representative at Lords Telecom (Summer 2009) Project Electricity and Gas Utility Companies Contract Sales in UK.

AWARDS AND ACHIEVEMENTS
1. Former Pakistani National Under-19 Football Player.
2. Former Pakistani National Under-19 Tennis Player (Silver Medalist).
3. NUST College of EME’s Sportsman of the year 2011-2012.

FINAL YEAR PROJECT
Development Of The Software Architecture Of A Multi-Agent Intelligent Autonomous System In A Dynamic Adversarial Environment

SEMESTER PROJECTS
1. Development of a centralized database application for a shopping Mall/Store.
2. Development a Emailing System capable of allowing User Accounts and storage.

TECHNICAL SKILLS
1. Programming languages: BASIC, C++, 8051 ASSEMBLY,8086 ASSEMBLY(Debugger & Masm), MATLAB, Open CV, C#, Python, HTML, PHP.
2. Applications: LINUX, Eclipse, Player Stage, MS Office, Design lab PSPICE, Proteus, Masm615, Keil, AutoCAD, Xilinx, Visual Studio

EXTRACURRICULAR ACTIVITIES
1. Sports (Football, Tennis, Squash, Basketball, Swimming, Table Tennis)
2. Music (Piano, Flute) – Played Piano for JNR Music Production Studio

REFERENCES
Col Prof Dr Shoab A Khan
Address 1: Manzil Dilawar Nazar, behind Iqra Middle School, NewPind, Sukkur.
Address 2: Room # C-2, Hired Hostel, College of EME, NUST, Rawalpindi.
Phone: +92-3003141784
Email: AamirSuleman@gmail.com

AAMIR SULEMAN ABRO

OBJECTIVE
To associate with an organization which progresses dynamically and gives me a chance to update my knowledge and enhance my skills.

EDUCATION
2008 - Till Date College of E&ME, NUST, Rawalpindi.  
B. Engineering in Computer Engineering 2.61/4.0 CGPA
2006 - 2008 Govt. Degree College, Sukkur.  
Intermediate Pre Engineering 842/1100 (76.5%)
Matriculation 696/850 (81.9%)

AWARDS AND ACHIEVEMENTS
- Currently Getting 4 year Fully Funded Merit Scholarship by National ICT R&D Fund
- Remained Network Administrator of College Hostel Network

FINAL YEAR PROJECT
Developing Location Based Vehicle Tracking System using geographical Location of Android Smartphone and sending information using SMS on GSM network - (Currently Working)

SEMESTER PROJECTS
- Digital System Design - Implementation of Gaussian filter for Image Processing in Hardware (FPGA), using Verilog
- Database Engineering - Location based Social Networking, database on Microsoft SQL Server 2008 & Windows app in C# on Microsoft Visual Studio 2010
- Digital Image Processing - Ear Recognition as a Biometric Recognition using Matlab
- Algorithms and Computing - Projectile Simulator using C++
- Programming Languages Environments - Lexical analyzer using C#
- Data Structures - Spell Checker and dictionary
- Electronics - General Purpose Variable Power Supply
- Microprocessor Based Design - Implemented Full adder Circuit on a PCB
- Computer Graphics – Studied and Implemented that any figure could be made using Just Triangles

TECHNICAL SKILLS
- Programming Languages: C++, C#, Java, SQL, Verilog.
- Mobile Android Development

EXTRACURRICULAR ACTIVITIES
- Blogging and Reading about Technology
- Volunteer Proof Reader at Project Gutenberg

REFERENCES
- available on request
Azizullah Memon

OBJECTIVE
To take a challenging and high performance oriented role in the field of Computer engineering and implement the expertise and experience gained in this field to develop complex projects with efficiency and quality.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Computer Engineering) CGPA: 2.66
2007-2008 S.I. Govt Degree College Hala New, Sindhi, Pakistan
(HSSC (Pre-Engineering)) 858/1100
2005-2007 M. G. Govt High School no 2 Hala New, Sindh Pakistan
(SSC (Science)) 650/850

EXPERIENCE
1. Four weeks internship at Neo Global Software House, Islamabad, Pakistan as a Web Developer.

AWARDS AND ACHIEVEMENTS
1. ICT Scholarship for 4 years of engineering Fauji Foundation Excellence award.
2. Consolation Award from science fair held in Hyderabad in 2006.

FINAL YEAR PROJECT
Friend Finder Application in Google Android OS.

SEMESTER PROJECTS
1. Snake game using OpenGL with data structure techniques.
2. Tic Tac Toe game and Lexical Analyzer in C#.
3. College data base system in MS SQL SERVER.
4. Entry test preparation project in c++.
5. Thread Scheduling in Operating system course.

TECHNICAL SKILLS
1. Programming languages: VISUAL C++, 8086 ASSEMBLY( Debugger & Masm), MATLAB, C#, JAVA, ASP.net , PHP, Jscript, MS SQL SERVER.

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Studding Programming Articles.
2. Playing Cards Game, Computer Games.

REFERENCES
Col Prof Dr Shoab A Khan
OBJECTIVE
To get pragmatic approach to the field of Computer Engineering in an organized and environment so as to build and polish my skills to meet the competitive industry needs

EDUCATION
2008 – till date :  BE in Computers from  College of E&ME, NUST, Rawalpindi, Pakistan  
CGPA:2.83/4.00 (till 7th semester)
HSSC (Pre-Engineering)
Score : 829/1100
Score : 804/1050

EXPERIENCE
Worked as a Intern for KRL department in College of E&ME, NUST, Rawalpindi

AWARDS AND ACHIEVEMENTS
• Acquire fully Funded ICT Scholarship for Engineering.

FINAL YEAR PROJECT
Location Based Vehicle Tracking system using Android smart phones.

SEMESTER PROJECTS
• Graphical Calculator in C++.
• LZW data compression.
• AM modulation.

TECHNICAL SKILLS
• Programming Languages:  C++, C#, Java(Android).

EXTRACURRICULAR ACTIVITIES
• Sports (Football and Badminton).

REFERENCES
Col Prof Dr Shoab A Khan
Hikmat Ullah
hikmat30ce@yahoo.com
S/O Noor Gul
DOB: 20 April, 1989
0092 345 9791258
Room No. B2, Hired Hostel, College of
E&ME NUST, Peshawar Road,
Rawalpindi.

EDUCATION

<table>
<thead>
<tr>
<th>2008 – PRESENT</th>
<th>BE - Computer Engineering (CGPA = 3.08).</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Till present)</td>
<td>College of E&amp;ME, National University of Science and Technology (NUST).</td>
</tr>
</tbody>
</table>

EXPERIENCE

Internship at College of E&ME (NUST) in Microcontroller (8051), September, 2010

SOFTWARE SKILLS

- Microsoft Visual C++
- C-Sharp
- PHP, HTML
- Xilinx
- MATLAB
- ASP.NET
- Python
- Assembly language

ACHIEVEMENTS

- Head boy at School for dealing Students Affairs
- Fully Funded Scholar from Ministry of ICT R&D Pakistan
- Carried Appointment of Junior NUST Student (JNS) 2010 at College of E&ME For Dealing With hostel Affairs

PROJECTS

Semester Projects
- Student Data Base Using C++
- Electronic Circuit Solver Using C++ (Data Structure)
- Scientific Calculator And Tic-tac Toe Game Using GUI of C#
- Priority Queue Scheduling Using Data Structure in C++
- Developed “Finger print identification” using Matlab
- DMA Controller Implementation on FPGA in verilog using Xilinx
- Data Transmission and reception (FM modulation) on DSP Kit
- Proteus design and PCB implementation of a 0-15volt var Power DC Supply
- Developed “Email System” in C-Sharp and SQL Server 2008

Final year Project
- Communication Controllers Implementation on FPGA and GUI in C-sharp for Network On Chip (NOC) based architecture

INTERESTS

- Software Development
- Computer Networking
- Digital System Designing
- Sports
- Traveling And Hiking
- Swimming

EXTRA CURRICULUM AND VOLUNTEER ACTIVITIES

Successfully Organized Many Events in College Including:
- Compec 2010
- Compec 2011
- Eme Olympiad 2011
IDREES AHMAD

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION
- 2008-Present: College of E & ME, NUST, Rawalpindi, Pakistan (BS in Computer System Engineering) CGPA: 3.36
- 2008-: Govt: Degree College Mingora Swat Kpk (HSSC (Pre-Engineering)) 842/1100
- 2006-: Iqra Public School and College Kanju Swat Kpk (SSC (Science)) 865/1050

EXPERIENCE
Internship at College of E&ME (NUST) in Microcontroller(8051), September, 2010

AWARDS AND ACHIEVEMENTS
Fully Funded Scholar from Ministry of ICT R&D Pakistan.

FINAL YEAR PROJECT
Network On Chip (Noc) Based System Controllers Implementation on FPGA and GUI in C-sharp.

SEMESTER PROJECTS
1. Developed “Email System” in C-Sharp and SQL Server 2008.
2. Developed “Finger print identification” using Matlab.
4. DMA Controller Implementation on FPGA in Verilog using Xilinx.
5. Data Transmission and reception (FM modulation) on DSP Kit.

TECHNICAL SKILLS
1. Programming languages: VISUAL C#, VISUAL C++, MATLAB, VERILOG.
2. Applications: MS Office, Proteus, Keil, Xilinx, ModelSim, Visual Studio

EXTRACURRICULAR ACTIVITIES
Successfully Organized Many Events in College Including:
- Comppec 2010.
- Comppec 2011.
- Eme Olympiad 2011.

REFERENCES
Col Prof Dr Shoab A Khan
OBJECTIVE
To get pragmatic approach to the field of Computer Engineering in an organized and environment so as to build and polish my skills to meet the competitive industry needs

EDUCATION
2008 – till date  College of E&ME, NUST, Rawalpindi, Pakistan B. Engineering in Computer Engineering  CGPA: 2.95/4.00 (till 7th semester)
2007 – 2008  Pakistan GOVT: MUSLIM SCIENCE COLLEGE HYDERABAD, Pakistan HSSC (Pre-Engineering)
849/1100
2006  Pakistan Rangers Public School & College Nawabshah, Pakistan SSC (Science)
785/1050

EXPERIENCE
Cisco Certified Network Administrator Training Course (Summer -2011).

AWARDS AND ACHIEVEMENTS
• Acquire fully Funded ICT Scholarship for Engineering.

FINAL YEAR PROJECT
Sentimental Analysis and Classification of tweets through data mining and text mining techniques.

SEMESTER PROJECTS
• LUDO game development in C++ through OpenGL.
• Implementation of Driver Drowsiness Detection algorithm.

TECHNICAL SKILLS
• Programming Languages: C, C++, C#, Java, Python.

EXTRACURRICULAR ACTIVITIES
• Watching and playing Football.
• E-Gaming

REFERENCES
Col Prof Dr Shoab A Khan
Hired hostel, College of E&ME, NUST, Peshawar road Rawalpindi.
PHONE: +92314-9296420
E-MAIL: nsbathorce@gmail.com

MOHAMMAD IMRAN ALI

OBJECTIVE
To use my skills and potential to assist an organization in achieving its goals which
seeking long term career with optimum growth. This objective would be supported
by my qualification, in addition to the Engineering/IT experience and multi-lingual
command.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Computer Engineering) CGPA: 2.80
2008- Govt: Degree College Mingora Swat Kpk.
(HSSC (Pre-Engineering)) 885/1100
2006- Hira School & College Charbagh Swat, Kpk
(SSC (Science)) 862/1050

EXPERIENCE
▪ Internship in “Microcontrollers 8051” at College of EME, NUST from 1st Sept to

AWARDS AND ACHIEVEMENTS
▪ ICT (R&D) Scholarship holder at college of E&ME, NUST.
▪ 4th position in BISE Saidu Sharif, Swat, KPK, in HSSC.
▪ Runners-up in Mobilink Super Engineer Program 2012 (Best Three Projects in
NUST).

EXTRA COURSES
▪ Six weeks Certificate of “CCNA” from College of EME, NUST.
▪ Attended workshop on “Web development (Html & PHP)” at College of EME in July
2011.
▪ Certificate of “Skill development” from Hira School & College, Charbagh, Swat,
KPK.

FINAL YEAR PROJECT
▪ Research based “De-Packet Analysis on Gigabit Interfaces (20 G Router)”.

REFERENCES
Col Prof Dr Shoab A Khan
Muhammad Majid Sharif

OBJECTIVE
To implement the skills I have learned and keep learning in parallel, to stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan
(BE in Computer Engineering)  CGPA: 2.65
2008-  Government Post Graduate College Burewala, Pakistan
(HSSC (Pre-Engineering))  826/1100
2005-  Askari Cadet School Burewala, Pakistan
(SSC (Science))  566/850

EXPERIENCE
1. Summer internship on micro controllers at College of E&ME.

AWARDS AND ACHIEVEMENTS
1. Awarded with ICT Scholarship by Ministry of IT, Government Of Pakistan.
2. 292nd merit position in NTS Exam (All Pakistan).

FINAL YEAR PROJECT
Implementation of Ad hoc On Demand Distance Vector (AODV) using Fast Frequency Hopping.

SEMESTER PROJECTS
1. Lexical Analyzer in C#.
2. Developed a Bus Management System using SQL and .net framework.
3. Decision Tree in C++.
4. Complex Numbers Array Multiplier using Xilinx.
5. Phase Shift Keying using Mat lab.
6. Optical Character Recognition System in Matlab.
7. DC Power Supply 12v.
8. ICC Data base of Players using filing in C++.

TECHNICAL SKILLS

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Reading Newspaper & Sports.
2. Sports (Badminton, Football, Cricket, Table Tennis, Squash)

REFERENCES
Col Prof Dr Shoab A Khan
OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way...

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Electrical Engineering) CGPA: 2.50
2008- Govt. Degree College for Boys Sheikhupura, Pakistan
(HSSC (Pre-Engineering)) 801/1100
2005- Govt. High School Sheikhupura, Pakistan
(SSC (Science)) 662/850

EXPERIENCE
1. Two weeks internship “Programming Multicore Processors” at UET Lahore, Pakistan.

AWARDS AND ACHIEVEMENTS
1. 4 Years Fully Funded Scholarship from ICT Islamabad.

FINAL YEAR PROJECT
Web Server Based Geo Tracking as an Android Application.

SEMESTER PROJECTS
1. Creating a MSSQL Database by writing an SRS and making a C# GUI for a specific organization.
2. Conversion of 220V Power Supply to 15-20 V.
3. Finger Print Recognition using Matlab as a Simulation Tool.

TECHNICAL SKILLS
1. Programming languages: BASIC, VISUAL C++, C#, 8051 ASSEMBLY,8086 ASSEMBLY(Debugger & Masm), MATLAB;
2. Applications: MS Office, Design lab PSPICE, Proteus, Masm615, Keil, AutoCAD, Advanced Design System (ADS), Xilinx, Visual Studio, MSSQL,

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Debates Poetry & Reading.
2. Sports (Cricket, Volley Ball).

REFERENCES
Col Prof Dr Shoab A Khan.
OBJEKTIVE
Looking for a position where I aim of using technical expertise for the betterment of organization as well as upgrade my skills with the time.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BE in Computer Engineering) CGPA: 3.42/4.00
2007- Govt. College Attock City, Punjab, Pakistan
HSSC (Computer Science) 839/1100
2005- Govt. High School No. 2 Attock City, Punjab, Pakistan.
SSC (Science) 648/850

EXPERIENCE
- 6 weeks internship at Schlumberger I-9 Islamabad from 1st July 2011 to 15th August 2011.

AWARDS AND ACHIEVEMENTS
- ICT Scholarship Issued by: Ministry of Information Technology
- Also got GPA based scholarships while studying

FINAL YEAR PROJECT
- DSP-based Implementation of Ad-hoc On Demand Distance Vector (AODV) Routing Protocol

SEMESTER PROJECTS
- Database for keeping the records of Cricketers in C++
- Lexical Analyzer in C++
- Decision Tree in C++
- Developed 15V DC power supply
- TIC TAC TOE in C#
- Program for Character recognition from images using MATLAB
- Localization of Components of Retinal Fundus Images Based on a Scanning and a morphological Approach using MATLAB
- Implemented FFT as Circular Convolution in Verilog.
- Implemented FSK and various Digital Communication processes in MATLAB
- Developed application for Hotel management system using C# and Microsoft SQL Server

TECHNICAL SKILLS
- Programming languages:Visual C++, Python, Verilog, 8086 ASSEMBLY(Debugger & Masm), MATLAB.
- Applications: Design lab PSPICE, Proteus, Masm615, AutoCAD, Xilinx, Visual Studio, MS SQL Server.

EXTRACURRICULAR ACTIVITIES
- Playing Cricket, Football, Badminton and Table Tennis.

REFERENCES
Col Prof Dr Shoab A Khan
OBJECTIVE
To enhance potential, enthusiasm, social abilities and practice my engineering and interpersonal skills by working in a recognized enterprise.

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Computer System Engineering)  CGPA: 3.64
2005-2007  FG Degree College for Men, Wah Cantt Pakistan
(HSSC (Pre-Engineering))  845/1100
2004-2005  Saint Paul High School, Wah Cantt Pakistan
(SSC (Science))  659/850

EXPERIENCE
  1. Internship related to microcontrollers in College of EME (NUST), Pakistan.

AWARDS AND ACHIEVEMENTS
  1. ICT Scholarship Award, ICT R&D Fund Ministry of IT.
  2. Received Commandant’s Plague of excellence for high GPA in 3rd semester.
  3. NUST scholarship award for achieving high GPA up to 5th semester.

FINAL YEAR PROJECT
Asynchronous Flash Orthogonal Frequency Division Multiplexing (OFDM)

SEMESTER PROJECTS
  1. Development of an Iris Recognition System to support the identification of diseases by inspecting human eye.
  2. Implemented the FM modulation scheme.
  3. Designed a Data Compressor to compress text by using LZ77 technique.

TECHNICAL SKILLS
  1. MS Office (word, excel, PowerPoint), MS Windows Server 2007.
  2. Programming Languages (C++, C#, Assembly, Python, Verilog).
  3. Proteus Simulation Software, Matlab, PSPICE.

EXTRACURRICULAR ACTIVITIES
  1. Keen interest in Poetry.
  2. Sports (Cricket, Football, Table Tennis).

REFERENCES
Prof Dr Shoab A Khan
OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Computer Engineering)  CGPA: 2.52
2007 Govt Post Graduate College Karak KPK, Pakistan
(HSSC (Pre-Engineering))  838/1100
2004 Govt High School Soordag karak KPK, Pakistan
(SSC (Science))  622/850

EXPERIENCE
1. six weeks internship at college of E&ME NUST (microcontroller 8052).

AWARDS AND ACHIEVEMENTS
1. Got fully funded scholarship (ICT R&D Fund) ministry of Pakistan for BE computer engineering in NUST.

FINAL YEAR PROJECT
• DSP-based Implementation of Ad-hoc On Demand Distance Vector (AODV) Routing Protocol

SEMESTER PROJECTS
• Database for keeping the records of Cricketers in C++
• Lexical Analyzer in C++
• Decision Tree in C++
• Developed 15V DC power supply
• TIC TAC TOE in C#
• Program for Character recognition from images using MATLAB
• Localization of Components of Retinal Fundus Images Based on a Scanning and a morphological Approach using MATLAB
• Implemented FFT as Circular Convolution in Verilog.
• Implemented FSK and various Digital Communication processes in MATLAB
• Developed application for Hotel management system using C# and Microsoft SQL Server

TECHNICAL SKILLS
1. Programming languages: Basic Visual C++, 8051 Assembly, MATLAB, HTML, PHP, Visual studio
2. Applications: MS Office, Proteus, Masm615, AutoCAD, Xilinx, Visual Studio, MY SQL Server

EXTRACURRICULAR ACTIVITIES
1. Keen interest in Debates & Reading.
2. Sports (Cricket, football, Swimming)

REFERENCES
Col Prof Dr Shoab A Khan
Shahi Dost

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way..

EDUCATION
2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan  
(BS in Computer Engineering)  CGPA: 3.02
2008-   Govt Degree College Gul Abad Dir Lower KPK, Pakistan 
(HSSC (Pre-Engineering))   847/1100
2006-   Govt High School Shawa Distt Dir Lower KPK, Pakistan 
(SSC (Science))   843/1050

EXPERIENCE
1. Centre for Advanced Research and Engineering (CARE), Islamabad, Pakistan.
2. PTCL, G-8 Islamabad, Pakistan

AWARDS AND ACHIEVEMENTS
1. CCNA .
2. Runners-up in Mobilink Super Engineer Program 2012 (Best Three Projects in NUST).
3. Doing my Final Year Project with Highly Professional Researchers of CARE Islamabad.
5. Two months (Jul~Aug-2009) Internship in U& Company (LESCO) Lahore.
6. Two months (Jul~Aug-2010) internship in Electronics and microcontroller lab in EME NUST.
7. 2nd position holder in Fsc (I-II) BISE Malakand Dir (Lower/Upper).
8. Beneficial student of ICT scholar-ship at the above stated institute

FINAL YEAR PROJECT
10-Giga IPv-6 Router implementation on Net-FPGA in CARE Islamabad Pakistan.

TECHNICAL SKILLS
1. MS Visual Studio, MS SQL Server, Matlab, AutoCAD, PCB wizard, MS Office including Visio and Publisher, PSpice, Proteus, Opnet, Xilinx ISE, LISP, Modelsim, Auto cad, Maya Software, Oracle.

REFERENCES
Col Prof Dr Shoab A Khan
SHOAIB HASHMI

OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION
2008-Present College of E&ME, NUST, Rawalpindi, Pakistan
(BE in Computer System Engineering) CGPA: 2.87/4.0
2006-2008 Government FG Degree College Quetta cantt, Pakistan
(HSSC (Science General)) 792/1100
2004-2006 Government Muslim Abad High School Quetta, Pakistan
(SSC (Science)) 715/1050

AWARDS AND ACHIEVEMENTS
1. Awarded with ICT Scholarship 2008 for fully funded 4 years bachelor program by ministry of IT, Pakistan

FINAL YEAR PROJECT
Design and Implementation of Asynchronous FLASH OFDM Transmitter and Receiver

SEMESTER PROJECTS
1. Design Transmitter and Receiver for Frequency Shift Keying in MATLAB
2. Data Base for Agriculture and Pesticide Centre in MS SQL Server 2008
3. 16 Bit Booth Multiplier in Xilinx
4. Iris Recognition in MATLAB
5. Design Transmitter and Receiver for Amplitude Modulation in MATLAB and C++
6. Lexical Analyzer in C#
7. Nodal Analysis and Library Management System in C++

TECHNICAL SKILLS
1. Programming Languages: C++, C#, Python, Verilog, Assembly Language
2. Data Base: MS SQL 2008
3. Simulation Software: MATLAB
5. Circuit Design Tools: Protious, Pspice

EXTRACURRICULAR ACTIVITIES
1. Internet Surfing
2. Listing Music

REFERENCES
Col Prof Dr Shoab A Khan
Sikander Khan

OBJECTIVE
To obtain a position that will enable me to use my strong organizational skills, educational background and ability to work well with people

EDUCATION
2008-Present College of E & ME, NUST, Rawalpindi, Pakistan
(BE in Computer Engineering) CGPA: 3.03
2008 Govt. Muslim Science College, Hyderabad
(HSSC (Pre-Engineering)) 780/1100
2005 Green House High School, Hyderabad
(SSC (Science)) 798/950

EXPERIENCE
1. 3 months experience in A.M.Z spinning textile mill Kotri in quality management department.

AWARDS AND ACHIEVEMENTS
1. I have got fully funded merit scholarship from Ministry of ICTR&D fund in 2008 for undergraduate studies in NUST.

FINAL YEAR PROJECT
Implementation of error correction code which name is low density parity code on dsp kit.

SEMESTER PROJECTS
1. Development of ludo game in c++ using opengl library.
2. Development of driver drowsiness detection system in matlab.
3. Development of lip reading detection system in matlab.

TECHNICAL SKILLS

EXTRACURRICULAR ACTIVITIES
1. I have also participated voluntarily to organize EME OLYMPIAD 2010.
2. I am also the head of volunteer wing in Environmental club in my college.

REFERENCES
Lec.Yasir Jan
OBJECTIVE
To stay professionally focused and committed from the very onset, make the right choices, make them happen, achieve great success but retain my humility on the way.

EDUCATION
- 2008-Present: College of E & ME, NUST, Rawalpindi, Pakistan (BE in Computer Engineering) CGPA: 3.25
- 2008: Government Muslim College, Layyah, Pakistan (HSSC (Pre-Engineering)) 890/1100
- 2006: Government Noor-ul-Islam High School, Layyah, Pakistan (SSC (Science)) 930/1050

EXPERIENCE
- 6 week internship at IT Department, DESCON, Pakistan.

AWARDS AND ACHIEVEMENTS
- Scholarship holder in 6th Semesters.
- Awarded with 4 years fully funded ICT Scholarship by Ministry of IT.
- Certificate for Organizing COMPPEC NUST.
- Certificate for Organizing OLYMPAID NUST.

FINAL YEAR PROJECT
Design and Implementation of Asynchronous Flash OFDM.

SEMESTER PROJECTS
- 16 bit Booth Multiplier in Verilog.
- Frequency Shift Keying in Matlab.
- Iris Recognition by using Image Techniques.
- Database For Pesticide Center by using SQL Server.
- Library Management System in C++.
- Basic Lexical Analyzer in C#.

TECHNICAL SKILLS
- C++
- Verilog
- C Sharp
- MATLAB
- Microsoft SQL Server
- Assembly Language
- Python

EXTRACURRICULAR ACTIVITIES
- Reading Novels
- Listening Music

REFERENCES
Will be furnished on demand.
Tanesh Kumar

OBJECTIVE
To be part of an organization that thrives on the latest technology whereby I can optimize my educational, technical and communication skills in a manner that would contribute to the progress of the organization.

EDUCATION
- 2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan (BE in Computer Engineering)  CGPA: 2.42
- 2008-   Govt. Muslim Science College Hyderabad (HSSC (Pre-Engineering))  880/1100
- 2006-   Govt. Qazi Sultan H/Sec School Kunri (SSC (Science))  684/850

AWARDS AND ACHIEVEMENTS
- Awarded student of ICT Scholarship 2008 for 4 years of B.E.
- Done JNCIA-EX (Associate, Enterprise Switching) certification.
- Done JNCIA-ER (Associate, Enterprise Routing) certification.

FINAL YEAR PROJECT
Real Time Implementation Of DSP Based AoDV

SEMESTER PROJECTS
- Implemented decision tree in C++ using data structures.
- Database for keeping the records of Cricketers in C++.
- Designed syntax and lexical analyzer using C#.
- GUI Based Tic-Tac-Toe and Puzzle Game, using Windows Forms using C#.
- Localization of Components of Retinal Fundus Images Based on a Scanning and a morphological Approach using MATLAB
- Done FSK in Digital Communications
- Implemented Wavelets transform in C++ using DSP kit.
- GUI Based Hospital Management System, using SQL and Windows Forms
- Implementation of (FIFO/LIFO) state machine on FPGA

TECHNICAL SKILLS
- Programming languages: C++, C#, Assembly, Verilog, SQL
- Simulation Tools: PSPICE, PROTEUS, MATLAB, MODELSIM, OPNET IT

EXTRACURRICULAR ACTIVITIES

REFERENCES
Col Prof Dr Shoab A Khan
Teerath Das

OBJECTIVE
To be part of an organization that thrives on the latest technology whereby I can optimize my educational, technical and communication skills in a manner that would contribute to the progress of the organization.

EDUCATION
- 2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan  
  (BE in Computer Engineering)  
  CGPA: 2.61
- 2008-  Govt. Muslim Science College Hyderabad  
  (HSSC (Pre-Engineering))  
  836/1100
- 2006-  Govt. Qazi Sultan H/Sec School Kunri  
  (SSC (Science))  
  680/850

AWARDS AND ACHIEVEMENTS
- Awarded student of ICT Scholarship 2008 for 4 years of B.E.
- Done JNCIA-EX (Associate, Enterprise Switching) certification.
- Done JNCIA-ER (Associate, Enterprise Routing) certification.

FINAL YEAR PROJECT
Web Server Based Geo Tracking Application For Android.

SEMESTER PROJECTS
- Implemented 4 player Ladder game in C/C++
- Implemented Snake game using Data Structure(Linked List) in C/C++
- GUI Based Tic-Tac-Toe And Puzzle Game, using Windows Forms using C#.
- Fingerprint Features Enhancement using MATLAB
- Implement Full Adder using Proteus.
- GUI Based Hospital Management System, using SQL and Windows Forms
- Implementation of Optimized Compressor in Verilog.

TECHNICAL SKILLS
- **Programming languages:** C++, C#, Assembly, Python, Verilog, SQL
- **Development environments:** Microsoft Visual Studio 98, 2005, 2008, Microsoft SQL Server, XILINX,
- **Simulation Tools:** PSPICE, PROTEUS, MATLAB, MODELSIM, OPNET IT

EXTRACURRICULAR ACTIVITIES
1. Cricket  
2. Net Surfing  
3. Playing E-Games  
4. Table Tennis

REFERENCES
Lecturer Yasir Jan (College Of E&ME NUST).
Amna Majeed

OBJECTIVE
Seeking some challenging position to enhance and demonstrate the skills acquired over the course of my professional studies and competitive and encouraging milieu that utilizes and develops my leadership and inter-personal skills to utmost.

EDUCATION

2008-Present  College of E & ME, NUST, Rawalpindi, Pakistan
(BS in Computer Engineering)  CGPA: 3.58

2008-       Professors School/College, Quetta, Pakistan
           (HSSC (Pre-Medical+Pre-Engineering))  793/1100

2005-       Naz Dars Jah High School, Quetta, Pakistan
           (SSC (Science))  797/1050

EXPERIENCE
NILL

AWARDS AND ACHIEVEMENTS
1. ICT R&D scholarship for four years of engineering.
2. NUST GPA based scholarship for last six semesters.

FINAL YEAR PROJECT
Crowd Behaviour Detection using Motion Vectors.

SEMESTER PROJECTS
1) Dictionary in C++. 2) Hotel management in C++.
3) Variable DC power supply (hardware). 4) Tic tac toe in c#.
5) Implementation of CPU scheduling in C++. 6) Lexical analyzer in C++.
9) Detection of an eye disease (drusen). 10) DTMF implementation on DSP kit.
11) Girls hostel database with application. 12) Implementation of FSK on voice signal.
13) FIR filter using Distributed Arithmetics. 14) Emotion detection.

TECHNICAL SKILLS
1. Programming languages: BASIC, VISUAL C++, C#, ASSEMBLY (Masm), MATLAB, VERILOG, PYTHON.
2. Applications: Xilinix, Visual Studio, SQL server, VMware, OPNET, MODELSIM, QICii, IDLE, PSPICE, Proteus, Masm615, Keil, AutoCAD.

EXTRACURRICULAR ACTIVITIES
Interest in Reading and creative work.

REFERENCES
Col Prof Dr Shoab A Khan