

Muhammad Umer Niaz

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| Objective | To work in a dynamic environment which helps me broaden my horizons and grow as an individual as well as a professional; simultaneously helping me actualize my potential, both as a team player and as a leader while adding value to the society. | |
| Education | National University of Sciences and Technology (NUST) | Islamabad, PK |
| | Bachelor in Electrical Engineering (BEE) | 2013 – 2017 |
| | CGPA: 3.20 / 4.00 | |
| | Government College University (GCU) | Lahore, PK |
| | Intermediate | 2011 – 2013 |
| | Result: 1021/1100 | |
| | Divisional Public School (DPS) | Lahore, PK |
| | Matriculation | 2009 – 2011 |
| | Result: 1002/1050 | |
| Work Experience | Intern Engineer, Pak Elektron Limited | April 2018 – August 2018 |
| | Learned about industrial workplace, implementation of concepts, organizational structures and team work. | |
| | Intern Engineer, NTDC WAPDA | Summers 2017 |
| | Coordinated with field engineers in order to increase the EHS standards compliance rate and understanding the working of a grid Station and line diagrams. | |
| | Project Intern, NESCOM | Summers 2016 |
| | Collaborated in modeling, fabrication and control of Twin Rotor Helicopter from scratch keeping the costs low. | |
| | Teaching Assistant, KIPS | Summers 2014 |
| | Helping students secure admissions in universities by coaching, counseling and delivering talks. | |
| | Participant, NSTC | June 2012 |
| | National Science Talent Contest in mathematics. | |
| Final Year Project | Filter Optimization using Approximate Computing for IoT Applications Optimizing the algorithms using Neural Nets to make them efficient and fast with less computation to save power. | |
| Academic Projects | Hostel Management System | |
| | Implementation of a console based Hostel Management System in C++ | |
| | Gender Detection Using Voice | |
| | Detect the gender based of voice using MATLAB. | |
| | Line Tracking Robot | |
| | Based on TTL Logic which tracks a bright line on dark background | |
| | Digital Clock | |
| | Digital Clock with reset option, which displays time on 7-Segment Display using a Counter IC | |
| | MEATer | |
| | A portable device to detect the meat freshness and provide respective data on phone screen | |
| Award & Achievements | <ul style="list-style-type: none"> - ACM Society member for 3 years at NUST - Best Volunteer at Ravian Science Society. - Awarded Scholarship for being in top 20 in Intermediate Lahore Board Exams - Awarded twice the Student of the Year Award and was the Chief Prefect for School - Awarded Scholarship for being in top 50 in matriculation Lahore Board Exams - Represented Pakistan in NSTC. | |
| Skills | <ul style="list-style-type: none"> - Programming Languages: C, C++, Matlab, Assembly Language, Verilog - Circuit Simulation Software: Protues, Simulink, PSpice, LabVIEW, Multisim , PLC, PIC, Arduino boards - Graphics & Microsoft: Photoshop, MS Office, AutoCAD - Fluent in English, Urdu and Punjabi. | |