

AZHAR IQBAL

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Education

University of Engineering and Technology Lahore	Lahore, Pakistan
<i>Bachelors in Electrical Engineering</i>	2014-2018
Govt. Islamia College Civil Lines Lahore	Lahore, Pakistan
87.54%	
<i>F.sc Pre-Engineering</i>	2012-2014
AL-Madina High School for Boys	Lahore, Pakistan
86%	
<i>Matriculation</i>	2010-2012
Experience	

AMAL ACADEMY *Career-Prep Fellow: July 2017* **Lahore, Pakistan**

Education startup funded by Stanford University that teaches professional skills to students and corporations

- **Communication:** Completed a competitive written application and interview process to be selected from over 600 applicants for intensive 3-month Fellowship funded by Stanford University
- **Skills development:** Investing 150 hours in order to develop business skills (e.g., communication, leadership, problem solving, teamwork, etc.) that will help me make a deeper impact on the job

UET Power House *Intern: (Sep 2017 – Oct 2017)* **Lahore, Pakistan**

- Study of gas and diesel generators

National Transmission and Dispatch Company *Intern: (June 2018- August 2018)* **Lahore, Pakistan**

Pakistani Government owned transmission company.

- **Resourcefulness:** Learnt the complexity of interconnected power system of our country including Generation, Transmission & Distribution systems.
- **Teamwork:** Study the power system plans in teams and write report and give presentation on plans.

Projects

- ✓ **Wireless Communication Based Vehicle Automation Using OCR** **Final Year Project 2017-18**
 - Vehicle automation using direction boards installed at turns and corners
 - OCR is done on Raspberry Pi 3 using Pi-cam
 - Live video stream of Pi-cam on LabVIEW
 - Commands to vehicle (Raspberry Pi 3) are sent from LabVIEW
 - Vehicle can be used for transporting equipment and for surveillance
- ✓ **Three phase PWM inverter using 180 degree conduction mode** **2018**
- ✓ **Self balancing Robot by controlling the speed of DC motor using STM32** **2017**
- ✓ **Water Level Based automation and control of Dam flood Gate** **2017**
- ✓ **4 bit ALU capable of adding, subtracting, XOR and logic shift** **2015**
- ✓ **Dual regulated 20 V DC power supply** **2015**

CO-CURRICULAR ACTIVITIES

Member of Power Team Society IEEE UET Lahore (2014-2015)

Attended workshops and seminars organized by university

Attended the 5th international ICEE conference at electrical department UET Lahore

COMPUTER PROFICIENCY

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|-------------------------|--------------------|
| ✓ Power World Simulator | ✓ MS Visual Studio |
| ✓ Microsoft Office | ✓ MATLAB |
| ✓ C programming | ✓ Xilinx |
| ✓ LaTeX | ✓ Eclipse |
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Additional

- **Skills:** Leadership Qualities, Team work spirit, Effective Communication, Administrative Skills.
- **Interests:** Cricket, Games, Socializing, Watching movies.