



Usman Amjad

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EDUCATION

Lahore University of Management Sciences

June 2014 - June 2018

BS (Electrical Engineering) - **CGPA/Grade: 3.27**

Relevant Courses: Electric Power Systems, Electromechanical systems, Power System Protection, Digital Logic Circuits, Digital System Design, Microcontroller and Interfacing, Power Electronics

EXPERIENCE

Mott Macdonald Pakistan

Junior Office Engineer

June 2018 - Present

- Working on the feasibility study of 12 MW Chowkel Khwar Hydropower Project.
- Learning different aspect of project management.

LESCO

Internee

July 2017 - September 2017

- 6 weeks internship at 132KV Grid Station Johar Town-I.
- Got exposure to high voltage power systems and how power is protected and distributed from grid station to commercial/residential customers.

Presson Descon International (Pvt) Limited

Internee - Project Management - Engineering

July 2016 - August 2016

- 4 weeks internship at the DESCON headquarters.
- Learned the stages of development on a new project.

PROJECTS

- Wall following robot for Electrical Engineering Lab.
- Reverse car parking sensor for Introductory Circuits Lab.
- 4-bit binary calculator for Digital Logic Circuits Lab.
- WiFi based home automation for Microcontroller and Interfacing Lab.
- Water level indicator and controller for Devices and Electronics Lab.
- Signal generator and AM modulator for Communication Systems Lab.
- Ball and beam balance for Feedback Control Systems Lab.
- Bluetooth based home automation for Digital System Design lab.

Senior Year Project:

- Variable Frequency Drive for Reciprocating Compressors in Energy Constraint Systems.
- Drive acts as a soft starter to control the inrush current drawn by the refrigerator so that it can run on Uninterrupted Power Supply.

ADDITIONAL SKILLS AND EXPERIENCE

- C++, C languages
- MATLAB
- XCode

HONOURS AND AWARDS

- High Achievers award in A levels on securing 3 A's from LGS Johar Town Campus.
- Bronze Medal in O levels on securing 6 A's from Beaconhouse School System, Model Town Campus.

EXTRA CURRICULAR

• SPADES society at LUMS

Team member for 2 academic events at PSIFI 2015.

Assistant Director for an academic event at PSIFI 2016.

• Internship at WWF Pakistan (June 2012)

Level 1 internship

• Internship at Shaukat Khanum Memorial Cancer Hospital and Research Centre

Summer internship at the pathology department