



# Muhammad Shahmeer Javed

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## EDUCATION

### Lahore University of Management Sciences

June 2014 - June 2018

BS (Electrical Engineering )

*Relevant Courses:* Renewable Energy System, Power Electronics, Energy Economics, Electrical Power Systems, Digital Audio and Video, Digital Signal Design.

## EXPERIENCE

### Quaid-e-Azam Solar Power (Pvt.) Ltd.

Technical Operations Intern - Technical - Power

July 2016 - August 2016

- Checking and maintenance of the plant, making daily plant report.
- Testing of Solar Panels with PV Lab
- Working on SCADA.

### Pak Shine (Start-up)

Engineering Intern - Technical Design - Power

March 2016 - May 2016

Working with Technical Design Team to design a prototype that can use electrical power from UPS/Solar and WAPDA efficiently.

### LUMS NOP

Education Ambassador - Education

June 2015 - August 2015

Mentoring Underprivileged Students about Future Education and Scholarships.

## PROJECTS

**Senior Year Project:** Hybrid Solar and RF Energy Harvesting System.

- Autonomous & Self-sustaining module using RF (Radio Frequency) & Solar Energy Harvesting.
- NOVEL idea of printing Organic Solar Cells (OSCs) using Dimatix Inkjet Printer.
- Selection of Inks and experimental techniques to optimize various parameters of Organic Solar Cells.

Designing Algorithm using **Verilog** to predict certain kinds of heart arrhythmias which lead to Congestive Heart Failure.

Project on HR-Management.

Techno-Economic Analysis of Quaid-e-Azam Solar Park.

Automatic Street Light system with Intensity Meter using opamps and mosfets.

Stop Watch Using Logic Gates and 7-Segment Display.

Traffic Control System (**Microcontroller** Based).

Energy Harvesting using Piezo-electric Crystals.

FM Transceiver (Walkie-Talkie).

Inverted Pendulum using **Arduino**.

## ADDITIONAL SKILLS AND EXPERIENCE

CAD (Creo), C/C++, SQL, Matlab, Arduino, Verilog, Assembly, PIC Programming, PCB Tools.

Proficient at MS-Office (Word, Excel and Powerpoint), Communication Skills, Leadership, Project Management.

## HONOURS AND AWARDS

100% Scholarship at High school and LUMS.

2nd position in a Local Mathematics Competition.

Runners up at National Science Bee'15 NUST. (2015)

## INTERESTS

Swimming, TV Series, Cricket, Music.

## EXTRA CURRICULAR

Event Head at SPADES.

Member of LUMS Student Math Society.