



## Abdur Rafay Javed

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### EDUCATION

<b>Lahore University of Management Sciences</b> BS (Electrical Engineering) - <b>CGPA/Grade: 3.49</b>	September 2014- June 2018
<b>BeaconHouse College Campus Gulberg</b> A-Level (Pre - Engineering) - <b>CGPA/Grade: 3 A*s</b>	September 2012- June 2014
<b>BeaconHouse School System</b> O-Level (Sciences) - <b>CGPA/Grade: 4 A* 4 A</b>	September 2009- June 2012

### CERTIFICATIONS/TRAININGS

- Successfully completed the ICT professional foundation program by Ericsson

### EXPERIENCE

#### Packages Ltd.

Intern - Systems (FP)

July 2017 - August 2017

Provided a prototype for the following projects to be implemented in the industry:

- Ink Level measurement and monitoring
- EMF generation using Piezoelectric transducers

#### Lahore University of Management Sciences (LUMS)

Teaching Assistant - Computer Science - Computational Problem Solving

September 2016 – Dec 2016

- Assisted the professor in grading various course instruments
- Guided the students during lab - comprising of problems with C++ as basic language

### PROJECTS

- IOT Based Smart Home (Senior Year Project)
  - Using an ESP node as our core processor and controller.
  - Different appliances controlled and monitored via internet.
  - ON OFF as well as speed variation control ability.
  - Multiple sensors also integrated such as temperature, PIR and other relevant sensors.
- Automated light intensity control via Solar Panel
  - Using MPPT technique to obtain the optimal power from solar panel.
  - Light intensity control was achieved via arduino.
- Water Level Control using FPGA and internet
- Bi-directional Buck Boost Converter
- RF based Home Automation
- Inverted Pendulum
- GSM controlled DC Motor

### ADDITIONAL SKILLS AND EXPERIENCE

JavaScript, HTML, CSS, Raspberry Pi, Arduino, Python, MikroC, Assembly language, MATLAB, Creo, C++, Proteus, R, Microsoft Excel, Microsoft Office, Modelica, Simulink, LTspice, Power World Simulator, Xilinx

### HONOURS AND AWARDS

- Placed on Dean's Honour List for Fall 2015-16 Semester (**LUMS**)
- Awarded **100% Merit Scholarship** for Academic years 2012-2014 (**Beaconhouse ALGC, Lahore**)
- Gold Medal** for securing **3 A\*s** in **A-Levels** (**Beaconhouse ALGC, Lahore**)
- Gold Medal** for securing **4 A\*, 4 A's** in **O-Levels** (**BGTL, Pakistan**)
- Winner of Intra School Football Tournament 2010-2011** (**BGTL, Pakistan**)

### EXTRA CURRICULAR

- Football, Cricket, Tennis and athletics.