ABDUL RAUF
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Education

National University of Computer and Emerging Sciences, Lahore
Bachelor's in Electrical engineering 2014-2018
- Got selected in the first merit list

Punjab Group of Colleges, Lahore
F.Sc Pre Engineering 2012-2014
- Got selected on the first merit list
- Achieved 1st position across the whole floor 3 times during my two years at college

Experience

AMAL ACADEMY Lahore, Pakistan
Education startup funded by Stanford University that teaches professional skills to students and corporations
Career-Prep Fellow: July 2018 - Present
- ***Skills development****:* Investing 2 hours daily to develop business skills (e.g., communication, leadership, problem-solving, teamwork, etc.) that will help me make a deeper impact on the job

Vanilla Arcade Private Limited Lahore, Pakistan
Gaming and Engineering startup funded by Plan X to provide better engineering solutions related to automation and games
Engineering Intern: July 2018 – Present
- ***Coordination***: Coordinated with a team of 3 members to accomplish 3 projects related to engineering and automation field.
- ***Team Work*****:** Achieved Automatic Laser Maze system with a team of 3 members to develop a unity game
- ***Leadership:*** Leading a team of 3 members to design an automatic puppet which will be controlled by microcontrollers

Projects

Automatic Laser Maze System
Vanilla Arcade Lahore, Pakistan (July 2018 – August 2018)
- *Developed an automatic laser mazer system for the unity game*
- *Integrated Arduino with unity*
- *Used the concepts of Light-Dependent Resistors (LDR) to achieve desired outcomes*

Solar Based Automatic Irrigation System
Final Year Project (September 2017- May 2018)
FAST-NUCES Lahore, Pakistan
- *Developed a solar system which will automatically solve the over-watering problem in the rural areas*
- *Applied the concepts of power and electronics for the completion of the project*
- *Coordinated with a team of three members to design and implement a solar-based system*
- *Designed a 60% efficient inverter of the conversion of DC to AC power*
- *Completed project within given time with 90% overall efficiency*

Additional

- *Software: Proteus, LTSpice, Power Simulator, PS CAD, AutoCAD, PSpice*
- *Microcontrollers and Programming Languages:* Arduino, 8051, C++, Assembly
- *Soft Skills:* Team Work, Interpersonal, Communication, Microsoft Office