



Laksh Rathi

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Location: Hyderabad, Sindh, Pakistan

Relevant Skills

Programming: C++, Python, Verilog, MPLAB X IDE

Design Software: Proteus 8 Pro, Multisim, MATLAB, Modelsim(Verilog), Altium Designer, Microsoft Visual Studio, Arduino

Equipment expertise: Oscilloscope, Digital Multimeter, Functional Generator, Voltage and Current probes, Wattmeter

Hobbies

Chess, Badminton, Squash, Table Tennis, Volunteering, Travelling, Running

OBJECTIVE

Highly initiative-taking and energetic Electrical (Electronics) Engineer with an intern experience of almost 2 months looking forward to enhance and advance my engineering knowledge by applying them in the workplace with hard work, passion, and dedication. In addition to this, I will also try my level best to contribute new innovative ideas in my field which will allow the organization to compete in today's cut-throat competition.

WORK EXPERIENCE

May ,2020 - Present

PES Chair at IEEE GIKI STD Branch

Ghulam Ishaq Khan Institute of Engineering Sciences and Technology

May ,2020 - Present

Liaison Co-Ordinator at AIAA GIKI STD Branch

Ghulam Ishaq Khan Institute of Engineering Sciences and Technology

1st July ,2022 to 30th July ,2022

Internee

JENCO JPCL Jamshoro

15th June ,2022 to 31st June ,2022

Internee

NTDC JAMSHORO

EDUCATION

Bachelor of Science In Electrical and Electronics Engineering –

Ghulam Ishaq Khan Institute of Engineering Sciences and

Technology - Present (2020-2024)

A' Levels – **Cedar College, Karachi** (2018-2020)

O' Levels – **The City School Jinnah Campus** (2015-2018)

ACHIEVEMENTS

- ✓ Volunteered at ASME GIK STD BRANCH
- ✓ Third position in Inter school Chess Competition at district level
- ✓ Second position in debating competition
- ✓ Table Tennis Champion in The City School Jinnah Campus
- ✓ Participated in ICL-MUN
- ✓ Participated in TCS-MUN

CERTIFICATIONS

- ✓ Achieved Earn & Excel certificate in Microsoft Excel course
- ✓ Achieved Udemy certificate in Python-Masterclass course

PERSONAL PROJECTS

- ✓ Making a clock and timer with the help of logic gates which we had studied in Digital Logic Design.
- ✓ Traffic light circuit with the help of batteries, capacitors, resistors, LEDs and 555 timer IC.
- ✓ Flame Sensor using Arduino UNO & sim module where if the current temperature exceeded the pre-set temperature an alarm system would have turned on and we had received a text message on our smartphone for initializing the safety system.
- ✓ Designed a transformer of 90 Volts-amperes.
- ✓ Temperature sensor measurement using ARDUINO UNO.
- ✓ RC car with the help of ARDUINO UNO, motor driver, bluetooth module, gear motor & its wheel plus cardboard.
- ✓ High side driver circuit for a buck converter.