Eman Ijaz

Lahore, Pakistan

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OBJECTIVE

Passionate electrical engineer with expertise in circuit design, digital designing, and project management. Seeking to innovate and excel in a dynamic role, contributing technical excellence and sustainable solutions to advance technology and drive organizational growth.

EDUCATION

University of Engineering and Technology   Lahore, Pakistan
BSc Electrical Engineering (CGPA : 2.94)   *2021 - 2025*

Queen Mary College   Lahore, Pakistan
FSc Pre Engineering (Marks : 1009/1100)   *2019 - 2021*

EXPERIENCE

MEDS Lab UET LHR   June 2023 - Sep 2023
Research Assistant   *Lahore, Pakistan*
- Completed 2-month training in computer architecture
- Executed notable technical projects successfully

Karachi Automation   Oct 2023 - Nov 2023
Intern   *Lahore, Pakistan*
- Basic PLC, HMI and Industrial Automation

PROJECTS

- Analyzed RTL design and performed Genus synthesis of UETRV-PCore for optimized hardware implementation.

- Designed and implemented a gesture-controlled car utilizing Tiva, MPU, ESP32, and ESP01, demonstrating expertise in microcontroller programming, sensor integration, and wireless communication.

- Developed a UART transmitter for serial communication, highlighting proficiency in embedded systems and communication protocols.

- Developed multiple PCB designs using Altium Designer, exhibiting proficiency in PCB layout and design software.

- Developed a Hangman game in Python, Radome Design of automobile radar systems and LFR (Line Following Robot).

EXTRACURRICULAR AND VOLUNTEER EXPERIENCE

IET on Campus UET LHR   Sep 2024 - Present
Vice President   *Lahore, Pakistan*
- Led and coordinated technical events, workshops, and initiatives to enhance student engagement and professional development.

GDSC UET LHR   Sep 2023 - Sep 2024
Executive Head   *Lahore, Pakistan*
- Served as Executive Head of the Design Team at GDSC UET Lahore, creating posters for events and social media posts, gaining extensive experience in graphic design and visual communication.

SKILLS

- **Design and Simulation Tools:** Cadence (Virtuoso, Genus, Innovus), OpenLane, Xilinx Vivado, MentorGraphics QuestaSim, Keil u vision, AutoCAD, Altium Designer, MATLAB and Simulink

- **Programming and Scripting:** MATLAB, C, SystemVerilog, Python, Shell scripting

- **Soft Skills:** Communication, Critical Thinking, Problem-Solving, Time Management and Adaptability