MOAZZAM ALI

Electrical Engineer

+923239075060 | moakali360@gmail.com | Islamabad sector E11/1

OBJECTIVE

As a 8th-semester Electrical Engineering student with specialization in computer. I am looking for an internship to implement my theoretical concepts on real-world problems. I am interested in working on embedded systems, IoT, automation, or AI-based technology projects and acquiring hands-on experience with industry tools. This internship will improve my technical skills, give me industry exposure, and enable me to excel in developing electrical and computer engineering innovations.

EDUCATION

COMSATS University Islamabad Wah Campus

2021 - 2025(expected in June 2025)
BEE(Bachelor's in Electrical Engineering) specialization in computer

CERTIFICATIONS

These certificates are from online platform from Coursera

- Python from Google
- Supervised Machine Learning
- Convolutional Neural Networks DeepLearning.AI
- HTML CSS Java-Script from Meta

SKILLS

- Machine Learning
- Computer Programing languages (**C++**, **Python**, **Matlab** and hardware description language **verilog (HDL)** verification of digital circuits, including **FPGAs**)
- Digital image processing
- Algorithm and data structure
- Electronics
- Circuit design
- Microcontroller
- Problem-solving skills

WORK EXPERIENCE

I have an experience of data annotation which is use for YOLOv5 a deep learning algorithm use for real time object detection

Project

- Home Automation system (Developed a comprehensive home automation to remotely control and monitor household devices)
- Smart Energy Meter with Theft Detection (Designed and implement a smart energy meter capable of real time monitoring of electricity consumption and detecting potential theft)
- Object Detection using Convolutional Neural Network (CNN)(Build a CNN-based object detection model to identify and localize potholes and speed bumps in real-time using annotated road image datasets.)
- Text to image generation (Text-to-image generation using Hugging Face involves leveraging models like Stable Diffusion to create images from text prompts)