Hasan Mohydeen

COMPUTER ENGINEERING GRADUATE

Personal statement

Computer Engineering graduate with a passion for both software and hardware. Familiar with web development through hands-on coursework projects, and well-versed in YOLO object detection, data structures, and hardware projects. Eager to grow by building practical and impactful tech solutions.

CONTACT

📞 70 733 249

✉️ mohydeenhasan@gmail.com

📍 Beirut

EDUCATION

AL Maaref University (2020-2025)
Degree in Computer Engineering and Technology, MU honor list: Spring 20-21 / Fall 21-22 Fall 22-23 / Spring 22-23.

Relevant Modules: Web Programming, Data Structures, Deep Learning, Database Management Systems, Digital Signal Processing, Computer Networks.

Final Year Project: Drone Detection Using Deep Learning. Developed a YOLOv8-based object detection model to accurately differentiate drones from other flying objects using a custom-curated and augmented dataset. Improved model precision and recall through strategic dataset balancing, achieving a mAP50 of **0.98** and contributing a robust drone detection pipeline for real-time applications.

Mahdi Shahed High School (2017-2020)
Lebanese Baccalaureate in General Sciences

EXPERIENCE

UAV Detection Using Deep Learning
FYP - Final Year Project

- Trained an RF model to detect drones from a long distance.
- Trained a YOLOv8 model to detect drones from short distance.
- Fusion between both models.

LocalMarketPlace – A Role-Based Laravel E-Commerce Platform
Web Programming Course Project

- LocalMarketPlace is a Laravel-based web application that allows buyers and sellers to interact in a simple and intuitive e-commerce environment. Sellers can manage products and orders, while buyers can browse categories, place orders, and leave reviews after purchase — all within a secure, role-based system.

Smart Car Parking System
Separate Project

- This project is a smart QR-based car parking system using ESP32, where entrance and exit gates are controlled by servo motors based on QR code validation and parking slot availability. The system uses IR sensors to track car movement, displays real-time slot status on an LCD, and connects to Firebase for user verification and data synchronization.