

Mohamad El Mawed

mohamadmawed4@gmail.com | +961 76711070 | www.linkedin.com/in/mohamad-el-mawed-dev

EDUCATION

Beirut Arab University - BAU

B.S. in Computer Science – A.I & Data Science Track

June 2026

Relevant Courses: Applied Artificial Intelligence, Data Structures, OOP, Database Systems, Software Engineering

Houssam Eddine Hariri High School

International Baccalaureate Program

SKILLS

Programming Languages: Java, Python, HTML, CSS, JavaScript, TypeScript, SQL, C++, Tailwind.

Frameworks & Tools: React, React Native, Git/GitHub.

Soft Skills: Problem Solving, Data Analysis, Team Collaboration.

Languages: English (Fluent), Arabic (Native).

EXPERIENCE

CTF Competition Participant

- Engaged in Capture The Flag cybersecurity competitions, **enhancing problem-solving and teamwork**.
- Developed foundational skills in ethical hacking and **vulnerability analysis**.

PROJECTS

OmniDetect: AI-Powered Object Detection

Apr 2025

Tech Stack: Python, YOLOv8, Streamlit, OpenCV, NumPy

- Developed a real-time object detection system using YOLOv8 and Python, achieving **30+ FPS** processing speed.
- Built intuitive Streamlit UI for image/video analysis with **adjustable confidence thresholds**.
- Implemented **multi-format support** (JPG, PNG, MP4) and detailed object classification reporting.
- Optimized performance for both CPU/GPU environments with OpenCV video processing.
- Designed modular architecture for easy custom model integration and deployment.

Criminal Management Database System

Nov 2024

- Developed a relational database system to securely store, organize, and retrieve criminal case data.
- Optimized information retrieval processes to support **efficient decision-making** for law enforcement agencies.

CERTIFICATIONS

- Introduction to Software Engineering – **IBM**
- Crash Course on Python – **Google**
- Programming Foundations: Fundamentals – **LinkedIn Learning**
- CTF Competition Participant – **Semicolon Academy**