

Michael Osta *Software developer*

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🌐 michael osta 🔄 mikeooo

ABOUT ME

I'm a Computer Science student with a passion for front-end web development. I'm building my skills to become a software engineer, with a focus on AI and machine learning. I'm excited about the potential of AI to tackle real-world problems and I am eager to make an impact in this space.

EXPERIENCE

Full-Stack Mobile App (Freelance)

11/2025 – 03/2026

Mechanical store

Zahle, Lebanon

- Built a full-stack mobile application for selling car parts using React Native and Supabase for backend and database.

EDUCATION

Lebanese University

10/2023 – Present

Bachelor student

senior year computer science major.

SKILLS

Programming Languages

C, JavaScript, HTML, CSS, Java, Python, Assembly, SQL, PHP, Node js, Kotlin, React, React Native, ASP.NET WebForms framework

Concepts

Full-stack web development, DataStructure, OOP, DataBase, machine learning, deep learning, AI, Arduino, GUI, Android mobile app development, Scrum, Waterfall, V-Model, teamwork, problem solving.

Tools

Github, VS Code, codeblocks, eclipse, MIPS, Oracle DBMS, MYSQL, VMware

Languages

Fluent in Arabic and English, intermediate in French

PROJECTS

Maintenance Hub

Full-stack Website (HTML, CSS, JavaScript, PHP, MySQL)

- Implemented landlord accounts to manage multiple organizations, units, and tenant requests.
- Built tenant accounts with functionality to request access to units and submit complaints through dynamic forms.
- Designed a "complaint management system" allowing landlords to view and track tenant complaints.

AI blood test analyser

Diagnostic AI with OCR, NLP, and FastAPI

- Developed an AI-based diagnostic tool that reads and interprets blood test reports using OCR, NLP, and deep learning techniques.
- Integrated the model into a simple web interface using FastAPI to provide users with real-time insights into potential medical conditions.

Intelligent industrial sorting machine

Automation using TensorFlowLiteMicro and embedded systems with a Kotlin app

- Developed an automated sorting system using Arduino and ESP32-CAM with sensor and motor integration.
- Implemented machine learning-based image classification for object detection and sorting.
- Applied embedded systems, computer vision, IoT, and automation concepts.
- Android mobile application for real-time statistics recieved using TCP socket communication with ESP-32 CAM.

CERTIFICATES:

Certificate of participation in coding course (python) by AUST

issued june 2023

Responsive web design certificate by freecodecamp (HTML, CSS)

issued november 2024

Arduino training certificate (mixly ide) by Michel Daher social foundation

issued march 2025

Certificate of completion - AI Bootcamp by ZAKA ai and Michel Daher Social foundation

issued may 2025