

# MOHAMAD BADDOURA

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## **PROFESSIONAL SUMMARY**

Computer Science graduate with hands-on experience in Python, Machine Learning, and API development using Spring Boot. Built a vehicle detection system using YOLOv8 and worked with RESTful APIs and backend integrations. Passionate about AI applications, automation, and intelligent systems. Seeking an AI Developer Internship to contribute to real-world AI agent development and automation solutions.

## **TECHNICAL SKILLS**

- Programming: Python, Java
- AI & Machine Learning: YOLOv8 object detection, model training & evaluation, data preprocessing, Computer Vision basics
- Backend & APIs: RESTful APIs, Spring Boot, JSON handling, API integration, Postman
- Tools & Platforms: Git & GitHub, Basic Linux, WordPress, Microsoft Office
- Concepts: Prompt engineering fundamentals, automation workflows basics, OOP principles

## **PROJECTS**

### **Vehicle Detection System (YOLOv8 – Python)**

- Built a vehicle detection model using YOLOv8 as part of a university Machine Learning course
- Trained and tested the model on real-world traffic data
- Performed preprocessing, model evaluation, and performance optimization
- Implemented object detection for cars in images and video streams

### **Java Backend API Project (Spring Boot)**

- Developed RESTful APIs using Spring Boot
- Handled HTTP requests, JSON responses, and CRUD operations
- Tested endpoints using Postman

- Applied MVC architecture principles

## **PROFESSIONAL EXPERIENCE**

### **Tech Sales & IT Services Associate — Karizma Megastore | 2025**

- Provided technical troubleshooting for Windows systems
- Installed and configured operating systems and software
- Assisted customers with technical solutions and product recommendations

## **EDUCATION**

- BSc in Computer Science — Lebanese International University (2024)
- Relevant Coursework: Machine Learning, Computer Networks, Operating Systems, Network Security, Software Engineering

## **CERTIFICATIONS**

- CCNAv7 – Cisco
- Cybersecurity Essentials – Cisco
- Java Backend – Objectia
- React Web Development – Objectia

## **LANGUAGES**

- Arabic (Native)
- English (Advanced)