



## Ibrahim Harmoush

 Beirut, Lebanon

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### LINKS



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### EDUCATION

Aug 2021 — 2025

**Bachelor of Engineering in Computer and Communications Engineering,** *American University of Beirut*

*Beirut, Lebanon*

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### EXPERIENCE

May 2024 – Aug 2024

**AI and Software Engineering,** *Internship at InMobiles Holding*

*Beirut, Lebanon*

Worked on developing an AI-powered attendance system using CCTV surveillance. We prepared training data, evaluated multiple face detection and recognition models, and implemented a process to convert detected faces into vector embeddings, which were stored in a database for comparison and identification

Feb 2022 — Present

**IT Support Assistant,** *Work Study Program at AUB*

*Beirut, Lebanon*

Collaborated with the IT Support team at MSFEA Department at AUB by managing the ticketing system using TeamDynamix, categorizing assets on EAM, supporting peers as a calling agent via Cisco Calling Center, resolving technical incidents and providing services for students and professors, in addition to maintaining IT inventories by replacing and/or fixing parts and devices.

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### PROJECTS

- **FYP Car Dealership Website:** Designed and implemented an interactive web portal for a car dealership, built with Flask, SQLAlchemy, and deployed to a cloud platform (Render.com).
  - **LBP-USD Currency Exchange Mobile App:** Developed the native Android client for a multi-platform currency exchange application using Kotlin and implemented a reactive UI with that can handle user authentication and P2P offer management by integrating with a Flask/SQLAlchemy REST API.
  - **Object-Tracking:** Implemented real-time object detection and tracking system built with the YOLOv5 algorithm using PyTorch for deep learning model development and training, and OpenCV for video processing. The application involves applying the trained model to live video streams, where it performs object detection and NMS to eliminate duplicate detections.
  - **Cipher Encryption:** Collaborated with team members to create an interactive cryptography website including classical encryption/decryption techniques.
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**SKILLS**

**Programming Languages:**  
Python, C++, Java, SQL

**Extracurricular Expertise:**  
Video Production, Game Development

**Software:**  
Ansys, Google Colab, PSpice, Unity, Wireshark

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**LANGUAGES**

<b>Arabic</b>	Native speaker
<b>English</b>	Highly proficient