

# Mohamad El Ajouz *Computer Engineering Student*

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## PROFILE

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Third-year Computer and Communications Engineering student at AUB with strong foundations in software development and backend systems.

## EDUCATION

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**American University of Beirut,** 08/2023 – Present | Beirut, Lebanon  
*BE in Computer and Communications Engineering - Minor in Business*  
GPA: 3.78/4 - Dean's Honor List: Fall 23-24 – Spring 23-24 – Fall 24-25  
*Relevant Coursework:* Data Structures and Algorithms, Object-Oriented Programming, Computer Networks, Database Systems, Machine Learning, Software Engineering, Web Development, Network & Computer Security

## PROFESSIONAL EXPERIENCE

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**AUB, Maroun Semaan Faculty of Engineering,** 08/2025 – 12/2025 | Beirut, Lebanon  
*Teaching Assistant - Introduction to Computation and Programming*  
Hold weekly coding lab sessions using Python  
Guide students through their first exposure to programming concepts, improving their coding confidence

## PROJECTS

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**Exchange Rate Multi-Platform System, Software Development Project** 02/2026 – Present

- Designed and implemented RESTful backend services for a currency exchange platform.
- Built JWT authentication and role-based access control.
- Developed analytics, marketplace, alerts, and transaction validation services.
- Implemented a React web dashboard; mobile and desktop development is to be developed.

**ElGamal Block Encryption System** 11/2025 – 12/2025  
Developed a Python (PyQt5) GUI implementing ElGamal block encryption with safe-prime key generation, per-block keypairs, and JSON-based save/load.

**Online Multiplayer Car Racing Game: Course Project** 03/2025 – 05/2025  
Coordinated with a team to design and implement a multiplayer car racing game with real-time communication between players and login, registration, and session management

## EXPERIENCE & VOLUNTEERING

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**Lebanese Heritage Club - AUB, Treasurer Position** 08/2025 – Present | Beirut, Lebanon  
Organizing and participating in on-campus events

**Power Group, Intern** 01/2024 – 12/2024 | Beirut, Lebanon  
Online shop design using Wix developer - Data Entry

## COURSES & CERTIFICATES

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**Machine Learning, Coursera** 10/2025 – 11/2025  
Supervised Machine Learning 

**Industry Program 4.0 Bootcamp, IEEE AUB x MSFEA x AWS** 06/2025  
3-day training focused on innovation, Industry 4.0 technologies, and professional development

**Cisco NetAcad Bootcamp** 06/2024 – 12/2024  
Intro to Cyber-Security and Data Science

## SKILLS & INTERESTS

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### Technical Skills

MS Office-Python-C++ - Java- Verilog-Assembly-Flask

### Languages

Arabic (Native) - English (Fluent)

### Soft Skills

Teamwork – Communication - Time Management

### Interests

Robotics - AI - Swimming - Archery