

Hadi Cheaib

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Education

American University of Beirut (AUB), Beirut, Lebanon Sep 2023 – Jun 2027 (expected)
Bachelor of Engineering in **Computer Science and Engineering**

Experience

Teaching Assistant — EECE 230: Introduction to Python (AUB) Fall 2024–2025, Fall 2025–2026
Assisted students with Python programming, debugging, and coursework.
Led tutorials, supported lab sessions, and provided one-on-one guidance.

Private Tutor 2023 – Present
Tutored Highschool students in math and programming and improved academic performance.

Runner — Bartartine Summer 2025
Worked in a fast-paced customer environment.
Strengthened communication, teamwork, and ability to work under pressure.

Leadership

Third-Year Representative — ACM Student Chapter (AUB) 2024–2025
Elected as the third-year representative. Supported student outreach and events planning.

Projects

Heart Disease Prediction — Machine Learning Fall 2025–2026

- Built a predictive model for 10-year heart disease risk.
- Performed data cleaning, imputation, scaling, and evaluation.
- Analyzed risk factors and feature importance to explain prediction behavior.

Audio & Video Steganography System Fall 2025–2026

- Implemented algorithms to hide encrypted messages inside WAV audio and MP4 video files.
- Used LSB-based embedding with full extraction and error-checking pipelines.

Smart Meeting Room Management System — Backend Microservices Fall 2025–2026

- Developed four microservices for bookings, availability, resources, and reviews.
- Built REST APIs with JWT authentication and database connectivity.
- Containerized services using Docker and validated endpoints via Postman.

AUBoutique — Python, SQL, GUI Fall 2024–2025

- Built a desktop virtual-store app with login/signup, SQL database, and integrated Python GUI.

Skills

Programming: Python, Java, C++

Tools: Docker, SQL, REST APIs, Postman

Languages: Arabic, English, French

Soft Skills: Teamwork, Communication, Problem-Solving, Time Management