

EDUCATIONAL BACKGROUND

	American University of Beirut	Beirut, Lebanon
2022 -Expected 2026	<ul style="list-style-type: none"> • BE in Computer and Communication Engineering Minoring in Applied Mathematics GPA 3.98/4 • HES-RSS Scholar • Dean's Honor List for all semesters at AUB 	American University of Beirut
Relevant courses	Data Structures and Algorithms, Machine Learning, Data-Driven Modeling in Science and Eng'g, Design and Analysis of Algorithms, Database Management, Software Eng'g, Computer Networks	

EXPERIENCE

	Coding Coach-Teacher Assistant in EECE 330	
2024/present	<ul style="list-style-type: none"> • Assist in teaching a course about Data Structures and Algorithm using C++ • Held a weekly lab and Office Hours 	Beirut, Lebanon
2024/2025	MSFEA/ ECE Dept/ AUB- AI Research Intern	Beirut, Lebanon
	<ul style="list-style-type: none"> • Completed 2-months internship working on a project in AI in immunotherapy. 	
2023/2024	Research Assistant-AUB	Beirut, Lebanon
	<ul style="list-style-type: none"> • Worked on biodiversity conservation project-Saving Lebanese Biodiversity (SLB)- using ML and citizen science 	

PROJECTS

2025/2026	Final Year Project	Beirut, Lebanon
	<ul style="list-style-type: none"> • Currently developing an agentic medical symptoms analyzer & emergency detector, equipped with lifestyle monitoring using wearables 	
2024/2025	Medical Scheduling Platform- Software Eng'g	Beirut, Lebanon
	<ul style="list-style-type: none"> • Developed, as part of a team, a web-based medical scheduling platform for managing doctor-patient appointments. • Utilized React for the front-end, Express.js for the back end, and PostgreSQL for database management to efficiently handle doctor availability and appointment bookings. 	
2024/2025	Earthquake Magnitude and Tsunami Risk Prediction using DL	Beirut, Lebanon
	<ul style="list-style-type: none"> • Developed machine learning models for earthquake magnitude prediction and tsunami risk assessment. • Integrated economic loss predictions based on seismic events to evaluate financial impacts. 	
2024/2025	Earthquake Aftershock Forecasting Project using DL	Beirut, Lebanon
	<ul style="list-style-type: none"> • Developed a ConvLSTM-based model for real-time earthquake aftershock counts forecasting using seismic data, achieving high accuracy in predicting aftershock occurrences 	
2023/2024	Let's Chat	Beirut, Lebanon
	<ul style="list-style-type: none"> • Implemented a team project of a socket-based Chatting Application in Python to allow sending and receiving messages efficiently and reliably and attachments between two users. • Implemented the GUI part (front end), in addition to the reliability of UDP and the testing. 	
2024/2025	PlanTech- IoT	Beirut, Lebanon
	<ul style="list-style-type: none"> • Successful implementation of an IoT team project using ESP-32 Microcontroller and ESPIdf to automate and regulate plant irrigation. 	
2024/2025	Loan Management System	Beirut, Lebanon
	<ul style="list-style-type: none"> • Developed a comprehensive Loan Management System for managing loan applications, approvals, and payments, utilizing advanced database features such as views, triggers, and stored procedures to ensure data integrity and automate business logic. 	

EXTRACURRICULAR ACTIVITIES

	University	Beirut, Lebanon
2023-present	<ul style="list-style-type: none"> • Treasurer of the HES Club Cabinet &Arabic Students Society Cabinet • Member of IEEE 	
	Volunteering	Beirut, Lebanon
2023-present	<ul style="list-style-type: none"> • MMKN Public School Support System: Team Supervisor • Community Service project under the supervision of CCECS AUB 	
	Certificates and Workshops	Beirut, Lebanon
2022-2025	<ul style="list-style-type: none"> • NASA SpaceApps Challenge • Certificate Program: "Humanitarian Aid: Global Perspectives and Local Practices". • E-Portfolio, Arduino, Beyond an Engineer Workshop. 	

SKILLS

Technical Skills: Flutter, Python(pandas, OpenCV, PyTorch, ML libraries), C++, Verilog, Assembly, MATLAB, SQL, CyberSecurity.
 Languages: Arabic(Native), Excellent proficiency in English.