

Kosay Darwish

Beirut, Lebanon

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EDUCATIONAL BACKGROUND

	American University of Beirut	Beirut, Lebanon
2022 -Expected 2026	<ul style="list-style-type: none">BE in Computer and Communication Engineering Minor in Applied Mathematics GPA 3.98/4HES-RSS ScholarDean'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 <ul style="list-style-type: none">Completed 2-months internship working on a project in AI in immunotherapy.	Beirut, Lebanon
2023/2024	Research Assistant-AUB <ul style="list-style-type: none">Worked on biodiversity conservation project-Saving Lebanese Biodiversity (SLB)- using ML and citizen science	Beirut, Lebanon

PROJECTS

2025/2026	Final Year Project <ul style="list-style-type: none">Currently developing an agentic medical symptoms analyzer & emergency detector, equipped with lifestyle monitoring using wearables	Beirut, Lebanon
2024/2025	Medical Scheduling Platform- Software Eng'g <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.	Beirut, Lebanon
2024/2025	Earthquake Magnitude and Tsunami Risk Prediction using DL <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.	Beirut, Lebanon
2024/2025	Earthquake Aftershock Forecasting Project using DL <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	Beirut, Lebanon
2023/2024	Let's Chat <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.	Beirut, Lebanon
2024/2025	PlanTech- IoT <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.	Beirut, Lebanon
2024/2025	Loan Management System <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.	Beirut, Lebanon

EXTRACURRICULAR ACTIVITIES

	University	Beirut, Lebanon
2023-present	<ul style="list-style-type: none">Treasurer of the HES Club Cabinet & Arabic Students Society CabinetMember of IEEE	
	Volunteering	Beirut, Lebanon
2023-present	<ul style="list-style-type: none">MMKN Public School Support System: Team SupervisorCommunity Service project under the supervision of CCECS AUB	
	Certificates and Workshops	Beirut, Lebanon
2022-2025	<ul style="list-style-type: none">NASA SpaceApps ChallengeCertificate 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.