

MOHAMAD DAABOUL

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EDUCATION

American University of Beirut

Bachelor of Engineering in Computer Science and Engineering
Minor in Statistics

September 2021 — May 2025

Gpa 3.53/4

EXPERIENCE

Student Researcher - AI and Machine Learning

American University of Beirut

Beirut, Lebanon

September 2023 - Present

- Actively utilizing SQL, Spark, Python (Numpy, Scikit-learn, Pandas, Seaborn) for data preparation, cleaning, and modeling
- Conducting research on Human Digital Twin and its viability in the medical field

Software Engineering Intern

Anera

Beirut, Lebanon

June 2022 - August 2022

- Developed a comprehensive dashboard using HTML, CSS, and Flask to collect and display inverter metrics from solar panels located in 12 refugee camps across Lebanon
- Utilized Postman for testing the APIs of the different brands, and developed an in-house SDK for the Solarman brand inverter
- Deployed the dashboard on a local Windows server

Lead Lab Teaching Assistant

American University of Beirut

Beirut, Lebanon

January 2022 – March 2023

- Managed and mentored a team of 5 lab assistants across two courses (Intro to programming in Python, Data structures and algorithms in C++)
- Handled a lab of 30+ students. Responsibilities included correcting assignments, grading exams, hosting weekly problem solving sessions, clarifying concepts, and debugging alongside students

PROJECTS

IBDAA 2023 Product Development Competition

April 2023, June 2023

- Lead a team of 5 peers to victory over 30+ teams that participated
- Conducted feasibility research for creating a waste exchange platform for the solid waste crisis in Lebanon
- Designed a mobile app and web prototype, as well as national and international strategy of operation
- Negotiated the implementation of the platform in collaboration with the CEO of Nadeera Tech on behalf of my team

Oratebot Video Chatbot Solution - Personal Business Venture

January 2023, June 2023

- Negotiated a white label contract with the CEO of Vocinity
- Learned how to develop and customize digital human chatbots on the Vocinity platform
- Developed a sales landing page for Oratebot and deployed it manually on a VM via Godaddy
- Created a sales funnel via Instagram, Tiktok, LinkedIn, and managed all content creation and editing
- Negotiated two sales contracts which would have comprised **50,000+ USD** upfront, and 40,000 USD in recurring revenue

Hotel Booking Webapp

January 2022, March 2022

- Created a secure login and signup page using Flask, HTML, and CSS, implementing user authentication and password encryption
- Integrated SMTP email verification to enhance account security and validate user registrations
- Implemented a search and filter feature to allow users to find hotels based on criteria such as location, price range, and amenities
- Utilized Flask's session management to store and display users' booking history

SKILLS

- **Relevant Coursework:** Data Structures and Algorithms, Object Oriented Programming, Intro to Machine Learning, Statistical Inference, Probability and Random Variables
- **Technical Skills:** Python, Java, C++, Dart, SQL, HTML, CSS, MySQL, MongoDB, Flask, Flutter, Django, Firebase, Git
- **Soft Skills:** Versatility, Team Player, Problem Solving, Creativity, Personal Development
- **Fluent Languages:** English, Arabic