



Ibrahim Mabrouki

Computer science graduate with hands on experience in full-stack development, cloud infrastructure, and AI integration, driven by a passion for high impact solutions.

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📍 Beirut, Lebanon

LinkedIn Ibrahim LinkedIn

Github Ibrahim Git

🎓 Education

B.S. Computer Science/ USAID Scholar

Lebanese American University

2022 – 2025 | Beirut, Lebanon

- GPA 3.2/4.0

💼 Professional Experience

SAP S/4HANA Consultant Intern

Sword Group

09/2025 – 11/2025 | Beirut, Lebanon

Gained comprehensive knowledge of SAP S/4HANA Cloud Public Edition, including system configuration, core modules (FI, MM, SD), SAP Fiori user experience, integration and extensibility with SAP BTP, and cloud deployment best practices.

IT Support Intern

Lebanese American University – IT Department

01/2025 – 04/2025 | Beirut, Lebanon

Provided on-site technical support, including troubleshooting hardware/software issues, formatting systems, installing drivers and operating systems, and assisting students and faculty with IT concerns. Gained hands-on experience in hardware diagnostics, system maintenance, and real-time problem-solving. Strengthened communication, time management, and collaboration skills in a professional academic environment.

Web Development Intern

Code Alfa

06/2024 – 09/2024

Designed and developed responsive web applications with a strong focus on UI design, interactivity, and user experience.

📁 Projects

Cloud Computing Project

Built a scalable cloud solution on AWS, using EC2, S3, RDS, and Docker. Demonstrated auto scaling and load balancing for efficient resource management.

03/2025 – 05/2025

Networks File Sharing Project With Flask GUI

Designed a client-server file sharing system supporting multiple simultaneous clients and reliable data transfer.

03/2025 – 05/2025

Care Point Clinic Mobile Application

Comprehensive Healthcare Management System

CarePoint is a role-based healthcare Android app featuring secure authentication, real-time messaging, and specialized dashboards for patients/staff. Enables appointment scheduling, prescription management, and lab tracking. Built with PHP/MySQL backend and custom TCP server for seamless communication.

02/2025 – 05/2025

Parallel Programming CNN Optimization

Optimized and parallelized the LeNet-5 architecture for digit classification using MPI, OpenMP, and CUDA C, achieving up to 13.58x speedup.

10/2024 – 12/2024

🌐 Languages

English — Fluent

Arabic — Native/Bilingual

🧠 Computer Skills

Languages

- C/Java/Python
- SQL
- PHP
- HTML/CSS
- JavaScript/TypeScript
- CUDAC
- JSX /XML
- Assembly

Frameworks & Tools

- Node JS
- Git/GitHub
- Docker
- Android Studio
- AWS (EC2, S3, RDS..)
- MySQL
- React

Mobile App: HealthTrack/Personalized Wellness Companion

10/2024 – 12/2024

BMI Calculator & Smart Nutrition Advisor

HealthTrack is an Android app for health monitoring, offering BMI calculation, calorie tracking, and personalized diet suggestions. Users input health metrics once (updatable later) to receive real-time wellness status.

Full-stack Website

09/2024 – 12/2024

Social Media Networking Web Project

Developed frontend and backend for a dynamic platform featuring user profiles and posts. Created an admin panel to manage users (add, update, delete) and enabled users to view posts and manage their followings, boosting interaction.

Machine Learning for Diabetes Risk Prediction

09/2024 – 12/2024

Predictive Analytics for Preventive Healthcare

Diabetes Risk Predictor uses machine learning (Random Forest, AUC 0.97) to analyze health data, identifying key risk factors like Polyuria to enable preventive care for its patients. Preprocessed data handles outliers/imbalance.

Software Engineering Project

02/2024 – 04/2024

Online Veterinary Appointment System

Designed UML diagrams and developed a multi-role online appointment system for clients, veterinarians, and admins. Applied full software engineering processes and used PHP unit testing to ensure reliability and maintainability.

Custom Instruction Set Architecture Development

01/2024 – 04/2024

Designed and implemented a custom ISA covering register/operation encoding, instruction formats, and data paths, demonstrating expertise in computer architecture and digital design through development and testing.

Database Project

09/2023 – 12/2023

Database Management System for Civil Defense

Mapped EER diagrams to database schemas, created complex SQL queries and stored procedures, and ensured data integrity and security through normalization and encryption.

★ Volunteer Work

Cedars For Care*community outreach volunteer*

Supported donation campaigns for underserved families, strengthening my logistics planning, time management, and communication skills.

Ahla Fawda Organization*event support and creative initiatives*

Assisted in organizing socially driven events and awareness campaigns. Developed a sense of social responsibility while strengthening my adaptability, collaboration, and event coordination skills in dynamic environments.

Bena' Ajyal Al Salam Organization*youth mentorship and educational support*

Led youth sessions promoting education and dialogue, improving my public speaking and engagement skills.

Palestinian Red Cross Society*emergency response and health awareness volunteer*

Participated in relief distribution and awareness campaigns, gaining valuable exposure to emergency support operations. Strengthened my ability to stay calm under pressure, follow procedures, and offer compassionate assistance.