



Mamdouh Osman

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A Computer Science undergraduate student at the Lebanese University, with strong skills in programming, databases, web development, networks, and foundational knowledge in cybersecurity. Passionate about innovation and emerging technologies.

EDUCATION

Bachelor's Degree in Computer Science

2023- Present

Lebanese University, Tripoli, Lebanon

Main coursework: Object-oriented programming, software engineering (UML diagrams), web development (client & server side), mobile application development, databases, computer networks, operating systems, parallel programming, cybersecurity (foundations), artificial intelligence (foundations), computer architecture, data structures, and algorithms.

Baccalaureate – Life Sciences (SV)

2022 -2023

Iman School, Tripoli, Lebanon

PROFESSIONAL EXPERIENCE

Project 1: Full Website & Database – « AutoCar Company »

2026 (3 months)

- Design and deployment of a relational database for managing a car dealership (Clients, Brands, Cars, Employees, Sales).
- Creation of the ER diagram and schema normalization (1NF to 3NF) to ensure data integrity and consistency.
- Development of advanced SQL queries for sales tracking, vehicle availability, and customer management.

Project 2: Website Design– « Discovering my HomeTown »

2025 (2 months)

- Development of a complete website using HTML, CSS, and JavaScript.
- Design focused on layout, interactivity, and content enhancement to ensure an optimal user experience.
- Application of responsive design principles and front-end development standards.

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08/2025-09/2025 (1 month)

- Participation in an intensive bootcamp focused on practical projects, problem-solving, and self-learning.
- Development of C applications including advanced memory management, algorithmic techniques, and debugging.
- Collaboration in an interactive learning environment with continuous assessments and real-time code reviews.

SKILLS

Development: C/C++, PHP, C#, HTML, CSS, JavaScript, Python, SQL, Prolog, Java, Assembly, UML.

Software and Tools: Microsoft Visual Studio (Community), Visual Studio Code, MS Office (Word, PowerPoint, Excel), Visual Paradigm, XAMPP, Android Studio, GitHub, Cisco Packet Tracer, Oracle SQL Developer, PostgreSQL, Ubuntu, Apache NetBeans, Canva.

LANGUAGES

Arabic: Native / Bilingual, **French:** Intermediate advanced, **English:** Intermediate advanced.