

ALI MORTADA TOHMEH

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PROFILE

Computer Science graduate from USAL with a passion for full-stack web development, especially backend work with .NET. Dedicated to continuous learning, problem-solving, and building real-world applications.

EDUCATION

University of Sciences and Arts in Lebanon (USAL)

Bachelor of Science in Computer Science | Oct 2022 – Jan 2026

Core courses: Java (OOP), Data Structures & Algorithms, Software Engineering, Cloud Computing, Application Development (.Net framework), Mobile Computing.

EXPERIENCE

Integrated Digital Systems (IDS) – Beirut | Full-Stack .NET Developer Intern | Jul – Aug 2024

Completed a two-month internship in the Development & Research Department, developing responsive web pages and integrating frontend interfaces with .NET backend services. Also designed and maintained SQL Server databases for real-world applications while participating in agile development workflows, daily standups, and peer reviews.

Coverse Technologies – Beirut | Full-Stack Web Development Bootcamp | Feb – May 2025

Completed a full-stack web development bootcamp, building and deploying full-stack applications using React, with a particular focus on Next.js. Applied RESTful API design, state management, and frontend-backend integration while strengthening knowledge of modern web architecture and deployment tools.

PROJECTS

Smart Waste Management Platform – Final Year Project

- Developed a multi-building waste management platform with real-time bin monitoring, automated status tracking, issue reporting, collection scheduling, and volunteer coordination for recycling events.
- Implemented Clean Architecture using Entity Framework Core, a generic repository-service pattern across 16 entities, and role-based access control for 6 user roles.
- Built secure authentication and authorization using JWT keys and cookie generation, with an admin dashboard and user enrollment system.
- Created QR-based waste tracking, wallet points, rewards redemption, and action tracking to support recycling participation and gamification.
- Built a responsive frontend with Next.js 16, React 19, Redux Toolkit, and Tailwind CSS, integrating IoT sensor simulation, Serilog logging, and Swagger/OpenAPI documentation.

Ticketing System Web App (Flask, SQLAlchemy)

- Built a CRUD ticketing system with SQLAlchemy-based database management.

Event Management Platform (.NET Core, SSMS, JavaScript)

- Developed a role-based event management platform with a dynamic AJAX/jQuery frontend.

TECHNICAL SKILLS

- Backend development using the latest version of .NET, frontend development with React and Next.js, and database management using SQL Server.

ACTIVITIES

- Percussionist with the Lebanese Philharmonic Orchestra – collaborated in national-level concerts

LANGUAGES

Arabic: Native | English: Advanced | French: Beginner