Omar Elmokadem

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ABOUT ME

Computer Science student at Qatar University's College of Engineering who builds and ships real software, from a published mobile app to a Chrome extension. Interested in software development, AI, and cybersecurity.

EDUCATION

QATAR UNIVERSITY August 2024 - June 2028

College of Engineering - Computer Science | GPA 3.93 / 4.00

- Enrolled in the Honors Program.
- Tech Team member, ACM Student Chapter | Qatar University.

AL KHOR INTERNATIONAL SCHOOL June 2024

IGCSE / AS Level

- High School Average 99.28% | SAT 780/800 (Math) | IELTS 8.0 / 9.0

EXPERIENCE

QATARENERGY LNG 7 June - 2 July 2026

Summer Intern - Internal Audit & Cybersecurity

- **Internal Audit (3 weeks):** Reviewed departmental risk assessments and drafted audit questions from them to support the audit of a department.
- **Cybersecurity (1 week):** Gained hands-on experience with Burp Suite under the guidance of the security team.

PROJECTS

Mizan: Islamic Habit Tracker (Mobile App) App Store

- Built with Expo (React Native) and MongoDB Atlas. Live on the App Store; Android in closed beta.

ACM Banner Redesign (Chrome Extension) Chrome Web Store

- Restyles Qatar University's myBanner portal for the ACM QU Chapter: two themes, light/dark modes, English/Arabic. Open source (MIT).

Automated Notification System

- Python-based system that monitors a dynamic online platform for updates, processes the relevant data, and sends real-time alerts to a Discord webhook and to WhatsApp.
- Built with a modular code structure for maintainability, including error handling, scheduling via Azure Functions, and status logging to ensure reliability.

Home Server & Self-Hosting

- Set up and maintain a Proxmox VE home server running a Docker-based stack of self-hosted services, with Nginx Proxy Manager as the reverse proxy and Cloudflare securing outside access. Also run an OpenVPN server on Oracle Cloud.

ACHIEVEMENTS

Microsoft x Qatar Scientific Club Summer Data Camp - 1st Place August 2025

- A 5-day intensive data and AI training program held at the Qatar Scientific Club in collaboration with the National Planning Council, Microsoft, and the Ministry of Sports & Youth.
- Worked with real datasets from Qatar's Open Data Portal and developed insights using Microsoft Power BI and AI models.

Qatar University Health Tech Hackathon - 3rd Place November - December 2025

- A multidisciplinary innovation challenge focused on technology-driven solutions for healthcare.
- Took part in intensive workshops, mentorship, and pitch sessions to refine and develop health-tech projects.
- Presented project ideas to national and international judges at the World Summit AI - Qatar.

SKILLS & INTERESTS

- **Programming Languages:** Python, Java, JavaScript, SQL, Visual Basic, HTML/CSS.
- **Tools & Technologies:** Git, Linux CLI, React Native (Expo), MongoDB, PostgreSQL, Docker, Proxmox VE, Azure Functions, Burp Suite, Power BI.
- **Languages:** English (Advanced), Arabic (Native).
- **Soft Skills:** Teamwork, picking up new tools quickly, time management, and working under pressure.
- **Interests:** Car tuning and datalogging, and self-hosting.