

# OMAR MOUSA

Full-Stack Engineer | AI-Integrated Web Applications

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## PROFESSIONAL SUMMARY

Full-Stack Engineer with a strong foundation in building scalable web applications using React, Node.js, and MongoDB. Experienced in developing end-to-end systems, integrating APIs, and enhancing applications with AI-powered features. Focused on clean architecture, performance optimization, and delivering user-centric solutions.

## SKILLS

**Languages:** Python, C/C++, Java, JavaScript, PHP, SQL

**Frontend:** React, Vite, Context API, Responsive Design

**Backend:** Node.js, Express, REST APIs, JWT Authentication

**Databases:** MongoDB, MySQL

**AI Integration:** OpenAI API, LLM APIs, Prompt Engineering

**Tools:** Git, GitHub, Docker, Linux, Postman

**Concepts:** RESTful Design, MVC Architecture, Authentication, API Integration

## PROJECTS

### FactOS — Full-Stack News Platform

2025

React · Node.js · Express · MongoDB

- Built a full-stack news aggregation platform integrating multiple external APIs with optimized data processing and deduplication logic
- Designed secure backend architecture with JWT authentication and protected routes
- Developed 20+ reusable React components with responsive UI and dynamic filtering
- Implemented AI-powered content analysis and categorization using LLM APIs
- Engineered real-time search with keyword highlighting and intelligent fallback fetching

### Neuralift — Productivity Web Application

2024

React · Node.js · MongoDB

- Developed a full-stack productivity platform with scheduling and task management features
- Implemented a Pomodoro-based focus timer with real-time tracking
- Built calendar and list-based event management system
- Integrated AI-assisted functionality to enhance user interaction

### Hotel Management System

2024

PHP · MySQL

- Developed admin dashboard for managing rooms, bookings, and user approvals
- Implemented authentication and role-based access control
- Optimized database queries, improving system performance

### TCP Client-Server Application

2024

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- Built a concurrent network application handling multiple client connections
- Implemented error handling and data validation for reliable communication

EDUCATION

|                                                                                                                                                                                               |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| <b>Bachelor's Degree in Computer Science</b> — Lebanese University                                                                                                                            | 2025 |
| <b>Piscine Certificate of Completion</b> — 42 Beirut                                                                                                                                          | 2025 |
| <ul style="list-style-type: none"><li>Intensive program focused on C programming, algorithms, and UNIX systems</li><li>Strong emphasis on problem-solving and peer-based evaluation</li></ul> |      |

CERTIFICATIONS & TRAINING

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| <b>Web Development Internship Program</b> — TechTalks Community                                                                                                                                                        | 2025 |
| <ul style="list-style-type: none"><li>Hands-on experience with Git, GitHub, Jira, REST APIs, and database systems</li><li>Exposure to collaborative development workflows and scalable application practices</li></ul> |      |
| <b>Google Cybersecurity Professional Certificate</b>                                                                                                                                                                   | 2024 |
| <b>Cisco Networking Academy — Cybersecurity &amp; Network Security</b>                                                                                                                                                 | 2024 |

LANGUAGES

Arabic (Native)    English (Fluent)