# MOHAMED HASSAN ATTIA

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LinkedIn | GitHub | Portfolio

## Front-End & Full Stack Developer | Cybersecurity Specialist

Front-End Developer at Penta-b with expertise in API integration and cybersecurity principles. Specialized in building scalable GIS interfaces and secure enterprise applications with focus on performance optimization and clean code.

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## WORK EXPERIENCE

**Front-End Developer** – Penta-b Company | January 2025 – Present

- Developed GIS-based front-end interfaces, enhancing performance by 25%
- Integrated RESTful APIs for real-time data visualization across enterprise systems
- Implemented Git/GitLab workflows, streamlining CI/CD pipelines and version control

**Software Developer** – SoftCore | July 2024 – December 2024

- Built ERP system modules using MVC architecture, improving efficiency by 30%
- Developed reusable UI components and back-end integrations
- Optimized database interactions through systematic refactoring

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## EDUCATION

**Benha University** – B.Sc. in Cyber Security & Digital Forensics (2020–2024) | GPA: 3.0/4.0

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## TECHNICAL SKILLS

**Languages:** JavaScript, Python, Java, C#, C++, HTML/CSS, Dart
**Frameworks:** React, React Native, Flutter, Express.js
**Tools:** Git, GitHub, GitLab, SQL, Oracle, PHP, REST APIs, WebSockets
**Expertise:** MVC, OOP, Cloud Development, Database Design, Cybersecurity, Performance Optimization

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# KEY PROJECTS

**Ransomware Detection System** (2024) – Python, Scikit-learn, React

ML-powered detection engine using Random Forest classifier achieving 94% accuracy on 8,500+ malware samples. Built React dashboard for real-time monitoring with automated quarantine.

**Secure Password Manager** (2023) – Flutter, Dart, AES-256

Cross-platform app with AES-256 encryption and biometric authentication. Handles 1,000+ entries with sub-100ms retrieval, passed penetration testing.

**E-Learning Platform** (2023) – PHP, MySQL, HTML/CSS

Full-stack platform supporting 500+ concurrent users with role-based access and PayPal integration. Achieved 98% uptime during beta testing.

**Mars Rover Simulation** (2024) – JavaScript, Canvas API, A*

Interactive simulation with A* pathfinding for autonomous navigation. Manages 50x50 grids with 30+ obstacles at 60 FPS.

**Job Finder Application** (2023) – Express.js, PostgreSQL, WebSockets

Intelligent matching system using compatibility algorithms. Successfully matched 200+ users with 85% satisfaction rate.

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# CERTIFICATIONS & DEVELOPMENT

**Certifications:** CCNA (Cisco), Huawei Network Security Training, Ethical Hacking & Penetration Testing (Hands-on labs and CTF competitions)

**Languages:** English (Upper-Intermediate, conversational fluency) | Arabic (Native)

**Community:** Open-source contributor (15+ merged PRs) | Technical writer on Medium | CTF competitor (Top 20% nationally) | Developer mentor

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**Open to remote and relocation opportunities** | Last Updated: November 2025