MOHAMED HASSAN ATTIA

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Front-End Developer | Full Stack Capabilities

Front-End Developer at Penta-b with strong full-stack capabilities and expertise in API integration. Specialized in building scalable GIS interfaces and enterprise applications. Passionate about cybersecurity, clean code, and performance optimization.

WORK EXPERIENCE

Front-End Developer – Penta-b Company | May 2024 – Present

- Developed GIS-based front-end interfaces, enhancing performance and user engagement by 25%

- Integrated RESTful APIs for real-time data visualization and improved data synchronization

- Collaborated with back-end team on seamless integration and efficient data flow

- Advanced Git/GitHub/GitLab expertise, streamlining version control and CI/CD pipelines

Software Developer Intern – SoftCore | March 2024 – April 2024

- Built ERP system modules using MVC architecture, improving data processing efficiency by 30%

- Created reusable UI components and back-end integrations for streamlined operations

- Optimized database interactions through code refactoring and testing

EDUCATION

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

TECHNICAL SKILLS

Languages: JavaScript, Python, Java, C#, C++, HTML/CSS, Dart
Frameworks & Tools: React, React Native, Flutter, Git, SQL, Oracle, PHP
Expertise: REST APIs, MVC, OOP, Cloud Development, Database Design, Cybersecurity

KEY PROJECTS

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

Developed 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 threat quarantine.

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

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

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

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

Mars Rover Simulation (2024) – JavaScript, Canvas API

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

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

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

CERTIFICATIONS & ACTIVITIES

Certifications: CCNA (Cisco), Huawei Network Training, Ethical Hacking & Penetration Testing (Self-taught through hands-on projects and labs)

Community: Active open-source contributor (15+ merged PRs) | Technical writer on Medium | CTF competitor (Top 20% nationally) | Mentor for junior developers

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