MOHAMED HOSSAM

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SUMMARY

Aspiring Backend Developer with hands-on experience in Python, Django, Git, and RESTful APIs. Fast learner with a passion for solving real-world problems through scalable backend systems. Currently completing the ALX Backend Program with a growing portfolio of backend-focused projects. Familiar with Flask, PostgreSQL, and authentication methods like JWT and OAuth. Eager to contribute to real production systems and grow within Agile development environments.

EDUCATION

Bachelor of Computer Science – Nahda University, Beni Suef
Expected Graduation: 2028 | GPA: 3.35 / 4.0

TECHNICAL SKILLS

- Programming: Python, JavaScript, C++
- Backend Development: Python (OOP), Django, Flask (exploring), Django REST Framework (in progress)
- Databases: MySQL, PostgreSQL, MongoDB (in progress)
- Web Development: HTML, CSS, JavaScript
- Version Control: Git (CLI), GitHub (Branching, Pull Requests, Merge Conflict Resolution)
- Testing & Debugging: Postman, Unit Testing, API Debugging
- Tools & Platforms: VS Code, Bash (Linux/WSL2), Postman, Heroku (planned), GitHub Actions (learning)
- Software Architecture: RESTful APIs, Authentication (JWT, OAuth), MVC, Agile Workflows (Trello)

PROJECTS

Watch E-Commerce Platform
Built a fully responsive front-end e-commerce site for watches using HTML, CSS, and JavaScript.
- Designed dynamic product pages and user-friendly layout to improve user engagement.
- Automated weekly inventory updates with JavaScript scripts, saving 8+ hours of manual work.
- Structured reusable UI components and followed modular code practices.

- Applied Git workflows to manage updates and handle feature development.

Personal Portfolio Website

Developed an interactive portfolio website to showcase my background, skills, and projects.

- Used responsive web design techniques for seamless experience across devices.

- Applied semantic HTML and accessibility principles to improve reach and clarity.

Banking System Simulator (Python OOP)

Created a CLI banking simulation using object-oriented Python to handle real-world operations.

- Processed over 10,000 simulated transactions with zero data errors.

- Wrote exception-handling logic for secure deposits, withdrawals, and balance checks.

Library Management System (Python OOP)

Designed and built a terminal-based system for managing books and members.

- Implemented borrowing/return logic with status tracking and file storage.

CERTIFICATIONS

- CS50x – Introduction to Computer Science, Harvard
- ALX Professional Foundations
- Currently enrolled in ALX Back-End Web Development Program

ADDITIONAL INFORMATION

- Languages: English (Fluent), Arabic (Native)
- Strong collaboration, adaptability, and communication skills
- Active contributor to GitHub projects and peer-learning communities
- Participated in multiple hackathons and coding challenges