Yousef Hani Muhamad

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 Yousef Hani   Yousef Hani

Education

BS   **Al Azhar University**, Faculty of Education   Oct 2021 – May 2025

- Grade of Graduation: Very Good
- Bachelor's Degree in Libraries and Educational Technology (Computer Science Major)
- Final-year Project – **Educational LMS Platform** (GitHub: `https://github.com/youseifMahmoud/LMS`)
  - Developed a fully functional learning management system using Django.
  - Features include: student and teacher accounts; secure video lessons (prevents downloading); interactive multiple-choice quizzes.
  - Personalized dashboards, certificate issuance, course ratings and comments.
  - Grade of Project: Very Good.

Experience

ITI, Full Stack Using Python   Smart Village
Aug 2024 – Sept 2024

- Developed a user-friendly interface for the file manager system in Django, integrating advanced search and filtering options.
- Designed and optimized database models in PostgreSQL for high-performance CRUD operations, improving query response time by 30
- Created a dynamic form builder with real-time validation using HTML, CSS, and JavaScript, enhancing user experience and error handling.

ITI, Cyber Security   Smart Village
July 2024 – Aug 2024

- Designed and implemented a secure user authentication system for a Django-based web application, integrating multi-factor authentication and session management.
- Configured and managed advanced network security policies using Fortigate and Palo Alto firewalls, optimizing data flow and ensuring compliance with security standards.
- Developed a vulnerability scanning and penetration testing toolkit using Python.

IEEE, Python   Hybrid
Nov 2023 – Aug 2024

- Developed interactive Python scripts to automate repetitive tasks, such as data processing and file management, improving efficiency and accuracy.
- Built foundational Python projects, including a simple calculator and a file encryption tool, to solidify understanding of core programming concepts.
- Created a tool to generate and validate random datasets, using Python libraries such as 'random' and 'pandas' for streamlined testing.

Projects

library-management-system

- A Django-based web application designed to help libraries manage book collections, track borrowing history, and maintain member records.
- Developed an electronic classroom where multiple users can simultaneously view and draw on a "chalkboard" with each person's edits synchronized.
- Tools Used: Python, Django, PostgreSQL, OOP

github.com/youseifMahmoud/library-management-system

E-Learning

- Developed a robust online learning platform that enables users to access course materials, participate in discussions, and track learning progress.
- Integrated a desktop calendar with globally shared and synchronized schedules, allowing users to arrange and join meetings with other participants in real-time.
- Tools Used: Python, Django, PostgreSQL, OOP

github.com/youseifMahmoud/E-Learning

SKILLS

Programming Languages: Python (Intermediate), SQL, HTML, CSS, JavaScript

Web Development: Django framework, PostgreSQL, UI/UX Design for web applications

Cyber Security: Network fundamentals, Ethical Hacking, Fortigate, Palo Alto, Advanced network configuration

Tools Technologies: Fortigate, Palo Alto.

Soft Skills: Teamwork, Communication, Problem-solving, Attention to detail