OBJECTIVE

Dynamic Full-Stack Developer
Expert in Python, Django & Django REST Framework
Proficient in building web & mobile apps with Flutter, HTML, CSS & JavaScript
Quantum computing researcher with strong networking, OS & Linux expertise
Committed to delivering efficient, user-centric solutions in collaborative environments

CONTACT

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- 01141125185
- LINKEDIN
- GITHUB

EDUCATION

FACULTY OF SCIENCE ALEXANDRIA UNIVERSITY
BACHELOR OF SCIENCE IN COMPUTER SCIENCE, ALEXANDRIA UNIVERSITY
GRADUATE: JUNE 2025

SKILLS

- Django
- Django Rest Framework
- Docker
- Redis
- celery
- Flutter
- Linux Administration
- Qiskit
- Html CSS JavaScript
- Java
- python
- Dart
- SQL

Ahmed Mahran

SOFTWARE ENGINEER

Skilled Python Django Backend Developer with expertise in building scalable web and mobile applications. Proficient in Django REST Framework and well-versed in Flutter, HTML, CSS, and JavaScript. Experienced in developing secure, efficient backend systems. Strong research background in Quantum Computing with solid knowledge of Networking, Operating Systems, and Linux.

CERTIFICATES

QUANTUM COMPUTING & PROGRAMMING (QBRONZE - QISKIT)
ISSUER: QWORLD, QEGYPT
DATE: AUGUST 2024
LINK CERTIFICATE

ELEMENTS OF QUANTUM COMPUTING AND PROGRAMMING (QCOURSE 501-2)
ISSUER: UNIVERSITY OF LATVIA & QWORLD
DATE: SEPTEMBER 2024 - DECEMBER 2024
LINK: CERTIFICATE

LINUX ADMINISTRATIONS (60 HRS)
ISSUER: INFORMATION TECHNOLOGY INSTITUTION (ITI)
DATE: JANUARY 2025 - FEBRUARY 2025
LINK: CERTIFICATE

PROJECTS

Quantum Random Password Generator

• **Technologies:** Python, Qiskit, Tkinter

• **Description:** Developed A Secure Authentication System Utilizing Quantum Randomness Via A Quantum Random Number Generator (Qrng) For Password Generation. The Project Leverages Qiskit For Quantum Circuit Simulation and Tkinter For A User-Friendly Gui. It Supports User Authentication with Sign-Up And Login Functionality, Ensuring Strong Password Security.
• Github

Online Quiz Game

• **Technologies Used:** Django Rest Framework, Websockets, Daphne

• **Description:** Built A Real-Time Online Quiz Game With Full User Authentication Using Cookies. Implemented Cookies-Based Authentication For Session Management. Utilized Websockets For Live Question Delivery And Redis For Efficient Caching. Ensured Secure Sign-Up/Login And Smooth Multiplayer Interaction
• Github

Aya Food Ecommerce Platform

• **Technologies:** Django, PostgreSQL, HTML/CSS/Bootstrap, Celery, Redis, RabbitMQ, Gmail SMTP

• **Description:** Built a branded food-delivery marketplace supporting seller onboarding & dashboard, product CRUD with image uploads & category filtering, session-based cart & coupon system, order checkout with email confirmation & PDF invoices, and asynchronous tasks (email, invoice generation) via Celery + Redis/RabbitMQ. Secure user auth with email verification & password reset.
• Github

Hotel Booking System

- Technologies Used: Django Rest Framework, JWT Authentication, Html, CSS, JavaScript

- Description: Developed a comprehensive Hotel Booking System featuring secure JWT-based authentication and real-time room availability. The system supports advanced room filtering, automated booking validation, and user profile management.
- Github

Library Management System

- Technologies Used: Django, Html, CSS, JavaScript

- Description: Developed A Fully Functional Management System Using Django For Backend Logic And Html, Css, Javascript For Frontend. Implemented Crud Operations, User Authentication, And Role-Based Access Control To Manage Data Securely And Efficiently.
- Github

Flutter Traveling App

- Technologies Used: Flutter, Dart
- Description: Developed A Cross-Platform Mobile Application For Travel Planning Using Flutter And Dart. Included Features Such As Trip Management, Location Search, Bookings, And User Profiles. Followed Clean Code Practices To Ensure Smooth Performance, Maintainability, And A User-Friendly Interface.
- Github

Polynomial Linked List

- Technologies Used: Java
- Description: Created A Polynomial Linked List Structure In Java, Implementing Operations Such As Addition,
Subtraction, Multiplication, And Evaluation Of Polynomials.
- Github