

# Hoor Amir

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## PROFESSIONAL SUMMARY

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Software Developer with hands-on experience in Python, web development, and AI-driven systems. Experienced in building **backend services**, **dashboards**, and **real-time applications** using **Flask** and **REST APIs**. Strong understanding of system workflows, automation, and user-focused design, with practical exposure to AI integration.

## PROJECTS

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### AI-Based Ticketing & Workflow Systems

- Designed backend logic for user requests, categorisation, and status tracking using Flask and REST APIs.
- Implemented dashboards for monitoring requests, responses, and system activity.
- Applied AI concepts

### DrDrone - AI-Powered Drone Human Fall Detection | Python, Flask, OpenCV, YOLOv8, ESP32-CAM

- Built a real-time drone-based human and fall detection system with live MJPEG video streaming.
- Integrated YOLOv8 pretrained and custom models for detection; triggered real-time alerts via Flask backend.
- Developed a web dashboard displaying live feed, detection overlays, and alert status.
- Optimised model inference and performance under hardware and network constraints.

### Haelix - AI-Based Fashion Recommendation System | Python, Flask, Web

- Developed AI-driven recommendations based on user preferences, occasions, and trends.
- Built backend, system logic, and responsive UI for scalable web deployment.
- Integrated AI insights to enhance user experience and personalised suggestions.

### Food Ordering System - Full-Stack Web Application | Python, Flask, JavaScript, SQL

- Designed a full-stack platform with menu browsing, order placement, and backend processing.
- Implemented RESTful APIs and responsive UI for seamless user interaction.

### OpenCV Project Series - Computer Vision Applications | Python, OpenCV, MediaPipe

- Developed gesture recognition, object tracking, and interactive real-time systems.
- Worked with camera input, frame processing, and landmark detection for optimised CV pipelines.

## EXPERIENCE

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### Developer & UI/UX Designer

Zahir Al Jahani | Saudi Arabia

- Developed backend logic and UI components for production-level web applications.
- Designed responsive dashboards and interfaces focused on usability and workflow efficiency.
- Integrated REST APIs and collaborated with teams to improve system functionality.

### Developer (Testing & Development)

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- Built and maintained web application features using Python and web technologies.
- Assisted with backend development, API integration, and system logic.
- Worked on debugging, testing, and performance improvements.

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, SQL

**Backend & APIs:** Flask, REST APIs, Authentication, Role-Based Access (Conceptual)

**AI & Automation:** AI Integration, Workflow Automation, AI-Assisted Classification

**Frontend:** HTML, CSS, Responsive UI, Dashboards

**Tools:** Git, GitHub, Google Colab

## EDUCATION

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### BSc in Computing (Data Science Major)

BIG Academy (EUCLEA), Saudi Arabia

Expected Graduation: 2027

- CGPA: 5.0 / 5.0
- Ranked 1st (Top of Class)

## CERTIFICATIONS

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- Introduction to Data & Data Science - 365 Data Science
- IT Foundation (Microsoft 365) - EUCLEA
- Arduino Circuit Certificate (Robotics) – EUCLEA
- Python Programmer Bootcamp