

Ziyad Osamah Miyajan

Artificial Intelligence Engineer & Developer

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SUMMARY

An AI engineer and developer (Umm Al-Qura University, GPA 3.77/4, Class of 2026) who builds real AI products — from computer vision to LLM apps. Full-stack with Python, FastAPI, and Next.js, plus 10+ years of Hajj field operations and team leadership, most recently as a Passports Manager.

TECHNICAL SKILLS

Programming: Python, Java, TypeScript, JavaScript, SQL, HTML/CSS

AI & Machine Learning: Computer Vision (OpenCV, YOLOv8, SAM), CNN, CLIP & Embeddings, Diffusion / Virtual Try-On, RAG, NER, LLMs (GPT-4o)

ML Libraries & Tools: TensorFlow, PyTorch, Scikit-Learn, Pandas, NumPy, Google Colab

Web & Backend: Next.js, React, FastAPI, Node.js, Tailwind CSS

Databases & Infra: PostgreSQL, Supabase, SQLite, Git, Docker, Cloudflare, Vercel

EDUCATION

Bachelor of Science in Artificial Intelligence — Umm Al-Qura University

2026

College of Computing, Makkah · GPA 3.77 / 4.00

EXPERIENCE

AI & Data Intern — Experts Vision Consulting

Mar 2025 – Jul 2025

- Four-month internship in the Data & AI department; hands-on work with data processing and applied AI.

Passports Manager — Bushra Hospitality Company

Hajj 2026 (1447H)

- Led the passports unit (pilgrim data intake, entry, verification, and movement) and managed the team under high pressure.

Customer Service Supervisor — Al-Bait Guests Co. & South Asia Pilgrims

Hajj 2022 – 2024 (1443–1445H)

Est.

- Supervised pilgrim reception, passport-data entry and review, Arafat camp readiness, and transport on the Day of Arafah.

Field Operations — South Asia Pilgrims Est.

Hajj 2014 – 2019 (1435–1440H)

- Pilgrim housing at Arafat, camp setup, and field coordination across several Hajj seasons.

PROJECTS

Kashkha — AI Wardrobe Coordinator (Graduation Project)

- A shipped product combining four AI services: computer-vision garment tagging (YOLOv8 + SAM + CLIP), a GPT-4o recommendation engine, generative virtual try-on, and a chat stylist.
- Built with Next.js, FastAPI, and Supabase; scored 85.3/100 on the System Usability Scale.

Fikra — AI Idea-to-Document Platform (Personal)

- An AI platform that turns rough ideas into clear, structured documents through smart follow-up questions; privacy-first, hiding personal data on the user's device before it reaches the AI.

Document Vision Tools — Card & Portrait Extractor (Personal)

- Two OpenCV tools: one detects and straightens ID/bank cards from photos and PDFs to a standard size; the other auto-crops face photos from documents.

Hajj System — Pilgrim Passports & Logistics (Production)

- A live enterprise system for pilgrim passports: batch QR scanning, transport, audit logs, and role-based access — used by Hajj teams during the season. Next.js, Drizzle, PostgreSQL.
- Itikaf Clinic — Patient-Flow System (Production)**
- A live system moving patients through four clinic departments with vitals, diagnoses, and dispensing; served 150+ active users during Ramadan. Next.js, Supabase.

Academic ML

- Student-performance prediction (linear regression), Titanic survival (Naive Bayes), and handwritten-digit classification (CNN).

CERTIFICATIONS

- DeepLearning.AI — Linear Algebra for Machine Learning (2024)
- DeepLearning.AI — Calculus for Machine Learning (2024)
- DeepLearning.AI — Probability & Statistics for Machine Learning (2024)

LANGUAGES

Arabic (Native) · English (Professional)