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SUMMARY

Computer Science graduate from KFUPM with hands-on experience applying ML and LLMs: built a bilingual (Arabic/English) hybrid search and Q&A platform, a RAG-based document Q&A app, and a YOLOv8 model for structural crack detection. Backed by software engineering internship experience at Waseel. Seeking Data Science and AI roles.

EDUCATION

King Fahd University of Petroleum and Minerals (KFUPM)
Bachelor's in Computer Science

2021 – 2026

KAUST Artificial Intelligence Program 

Completed a 70-hour Artificial Intelligence course provided by KAUST Academy

EXPERIENCE

Software Engineering Intern | Waseel

2025/06 – 2025/08

- Built an internal portal using Angular, Spring Boot, and PostgreSQL to streamline ticket management.
- Integrated HubSpot API to automatically sync tickets, eliminating manual platform switching.
- Gathered client requirements, delivered features, and iterated based on direct feedback in an Agile/Scrum team.

Leader of Public Relations | KFUPM Computer Club

2024/01 – 2025/01

- Organized tech workshops and events with 200+ attendees, then led public relations and outreach campaigns.

PROJECTS

Resolvix 

2026/06 – Present

React · Node.js · PostgreSQL · Multilingual Embeddings · Ollama

- Built a knowledge platform for support teams with approval workflows, role-based access, and a Freshdesk integration.
- Built hybrid search (keyword + embeddings) and a Q&A assistant that only quotes approved articles.
- Evaluated embedding models on hand-written queries; the correct Arabic article ranks first for 93% of questions.
- Built a local LLM pipeline that redacts personal data, clusters similar tickets, and drafts articles; 85% of English drafts needed only light edits in testing.

Drone-Based Structural Crack Detection 

2026/01 – 2026/05

AI Model Developer · Senior Design Project, KFUPM

- Trained a YOLOv8 model to detect and classify 8 structural crack types from drone imagery.
- Deployed real-time inference on a Raspberry Pi 5 with an Intel RealSense D435 depth camera.
- Built Python mission scripts for autonomous drone-based building inspection.

TalkToPDF 

2026/01 – 2026/02

React · Vite · TF-IDF · Groq API

- Built a RAG application that answers natural-language questions about uploaded PDFs.
- Implemented TF-IDF retrieval to ground LLM answers in the most relevant document chunks.
- Deployed on Vercel with a serverless backend that keeps the API key off the client.

SKILLS

- Python, Java, SQL
- Semantic Search
- React, Node.js, Express

- Ollama (Local LLMs)
- Model Evaluation
- Git, Docker

- Machine & Deep Learning
- Data Analysis
- Angular, Spring Boot

- LLMs & RAG
- PostgreSQL
- Arabic & English

COMPETITIONS

Consulting Championship 2025 | Participant 

Organized by Aramco, Roland Berger, Deloitte, and EY.