

Majid Kofia

AI Engineer

majidkofia@hotmail.com · +966-505-697420 · Jeddah, Saudi Arabia · github.com/majidmoe · linkedin.com/in/majid-m-kofia

SUMMARY

AI engineer who designs and ships production-ready intelligent systems — LLMs, RAG pipelines, computer vision, API integrations, and containerized deployment.

EDUCATION

BSc Artificial Intelligence — University of Jeddah · Arabic (Native) · English (IELTS 6.5) 2020 – 2025

Clubs — Drone Club · AI Club

TECHNICAL SKILLS

Languages	Python, TypeScript, JavaScript, SQL
AI / ML	Gemini, Claude, LLaMA, Hugging Face, YOLOv8, TensorFlow, RAG, pgvector, NLP
Backend	Node.js, Express, Next.js (App Router), FastAPI, REST APIs
Data	PostgreSQL, Supabase, pandas, data pipelines
Infrastructure	Docker, n8n workflow automation, Vercel, Railway
APIs	WhatsApp Business API, Gmail API, Anthropic API, OpenAI API, Twelve Data API, EIA API

PROJECTS

ClinicalBot — WhatsApp AI Assistant FEB 2026 –

Gemini 2.5 Flash · Function Calling · RAG · pgvector · Supabase · n8n · Docker · WhatsApp API

- Built a production WhatsApp chatbot for clinical report management using Gemini 2.5 Flash with function calling for zero-hard-coded intent detection
- Implemented a RAG pipeline with pgvector and Supabase for semantic search across medical document chunks
- Designed multi-node n8n workflow for message parsing, AI processing, and response routing; deployed as Dockerized microservices

Automated Market Intelligence Newsletter FEB 2026 –

Gemini 2.5 Flash · n8n · RSS/Web Scraping · Gmail API · HTML Email

- Built an automated weekly newsletter that scrapes Saudi financial news, classifies articles by portfolio relevance using Gemini AI, and generates analyst-grade equity research summaries
- AI-driven news classification with seasonal context awareness (Ramadan, Hajj, earnings seasons) to surface indirect market impacts
- Premium mobile-ready HTML email with live TASI index and Brent crude data; scheduled n8n workflow for end-to-end delivery

Clinical Report Reconstruction 2026 –

Next.js · TypeScript · pdf-lib · pdfjs-dist · fontkit · Arabic Typography

- Built an internal Next.js staff app that extracts structured data from clinical lab and imaging PDFs and re-renders the report from scratch with categorized rows, abnormal-value flags, and bilingual Arabic/Latin layout
- Heuristic extraction with pdfjs-dist, staff review/edit step, then server-side reconstruction with pdf-lib + fontkit (Arabic shaping)
- Replaced an earlier overlay-based rebrander with a proper data → PDF pipeline

Saudi Investment Dashboard 2026 –

FastAPI · React · Vite · Claude API · yfinance · Twelve Data · Tadawul · EIA

- Built a real-time monitoring dashboard for a private Saudi equity portfolio — NADEC, Al Rajhi Bank, Yanbu Cement, TASI, and Brent crude
- FastAPI backend aggregates quotes (yfinance / Twelve Data), Tadawul disclosures, RSS news (Argaam, Arab News, SPA, OPEC), and EIA oil data
- Claude generates weekly AI summaries with portfolio context; React/Vite frontend served from a single backend in production

Football Analytics Platform APR 2025 **Player Recommendation System** 2024 – 2025

Saudi AI League

YOLOv8 · LLaMA 3 · StreamLit · Python

- End-to-end analytics combining YOLOv8 for real-time player/ball detection with LLaMA 3 for tactical insights and automated match reports

Senior Project

Python · Cosine Similarity · pandas

- Recommendation engine using cosine similarity on FIFA player attributes to deliver top-5 suggestions with optimized preprocessing

PROFESSIONAL EXPERIENCE

Freelance / Independent

2025 - PRESENT

AI Engineer · Remote

- Building production AI systems for private clients — clinical automation, financial intelligence, and document pipelines
- End-to-end ownership: architecture, RAG, model integration, infrastructure, deployment, and handover

Aramco

SEP - OCT 2024

Data Intelligence Intern

- Automated resume processing by building a PDF-to-structured-CSV pipeline, reducing manual data entry time
- Engineered prompts for LLM-powered HR systems, improving response accuracy for candidate screening
- Developed unsupervised topic model to cluster and surface key themes from employee feedback data
- Optimized batch processing workflows with GPU parallelization for faster model inference

Microland Limited

JUL - AUG 2024

IT Support Engineer

- Resolved IT support tickets across multiple departments, managing escalation workflows
- Configured and imaged PCs with secure enterprise setups; troubleshoot network infrastructure including NOC-switch connections