

MOHAMED AZIZ SAKISS

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SUMMARY

AI engineer who ships full products, not just models — architecture, backend, and deployment included. Built ErgoFit's real-time posture-coaching pipeline end-to-end (98% detection accuracy) and took it live; currently building JobPilot, an autonomous job-application agent. Comfortable moving across computer vision, LLMs/RAG, and the infrastructure that gets them into production.

EDUCATION

EPI International Multidisciplinary School

Engineering Degree in Artificial Intelligence & Data Science

Sousse, Tunisia
Sep 2021 – Sep 2026

TECHNICAL SKILLS

Generative AI & LLMs: LLMs, LangGraph, Agents, RAG, Prompt Engineering, Embeddings, LangChain, Hallucination Analysis

Machine Learning: Transformers, CNNs, Scikit-Learn, XGBoost, Random Forest, TensorFlow/Keras, PyTorch

Computer Vision: YOLO (v8/v11), OpenCV, MediaPipe, ResNet, Image Classification, SAHI, Object Detection

Backend, MLOps & Systems: FastAPI, Node.js, PostgreSQL, Apache Spark (PySpark), Docker, CI/CD, GitHub Actions, Git, Streamlit, Blockchain

Programming: Python, C++, JavaScript/TypeScript, Bash, SQL

PROFESSIONAL EXPERIENCE

AI Engineering Intern

Tunisie Telecom

Tunis, Tunisia
Feb 2026 – Jul 2026

- Built ErgoFit's real-time posture pipeline — MediaPipe pose landmarks feeding a Random Forest classifier at 98% detection accuracy.
- Shipped "ErgoCoach," a RAG assistant that grounds advice in a user's own error history and certified ergonomic guides, so it doesn't hallucinate medical-sounding advice.
- Automated weekly progress reports with a scheduled agent that reads database trends and emails each user their own insights.
- Deployed the whole stack myself — Node.js/FastAPI, Dockerized, CI/CD via GitHub Actions — live at er-gofit.live.

Software Development Intern

Business Scalable

Remote, Switzerland
Jul 2025 – Aug 2025

- Built and deployed RAG chatbots (LangChain, Gemini/OpenAI) that cut support response time and manual ticket load.
- Built data pipelines connecting REST APIs to backend systems for real-time processing.
- Documented model performance and helped streamline the team's Docker/CI-CD deployment process.

PROJECTS

JobPilot: Autonomous Agentic SaaS | *Python, LangGraph, FastAPI, Whisper*

Aug 2026 – Present

- Building an agent that parses a resume and target job descriptions, then applies to matching roles on the user's behalf — cutting manual job-hunting time.
- Building a fully spoken mock-interview agent: OpenAI Whisper for listening, TTS for responding, so it feels like talking to an actual interviewer.
- Orchestrating the multi-agent application logic in LangGraph behind a FastAPI backend serving the dashboard.

Secure Brain Tumor Classification (NeuroChain) | *Python, TensorFlow, Blockchain*

Nov 2025 – Jan 2026

- Paired a CNN tumor classifier (TensorFlow/Keras) with "NeuroChain," a SHA-256 blockchain ledger that flags any tampered patient record, in a Streamlit app for doctors to review MRI scans.

Full-Stack Generative AI Agent for E-Commerce | *Python, Gemini, RAG*

Nov 2025 – Dec 2025

- Built a Gemini-powered agent with RAG over ERP data for real-time inventory queries and order tracking, keeping responses grounded instead of hallucinated.

Also shipped: a PySpark fraud-detection pipeline over 1M+ transactions (98.8% recall, AUC > 0.99 with a weighted GBT model) and a YOLOv11 object detector fine-tuned on BDD100K for autonomous-driving perception.

CERTIFICATIONS

Machine Learning Specialization — DeepLearning.AI (Mar 2026) | **Building Transformer-Based NLP Applications** — NVIDIA (Feb 2026)

Generative AI: Prompt Engineering Basics — IBM (Mar 2026) | **Building RAG Agents with LLMs** — NVIDIA (Nov 2025)

Fundamentals of Deep Learning — NVIDIA (Nov 2025) | **Foundations of Data Science** — Google (Jan 2026)

LANGUAGES

Arabic: Native | **English:** Professional | **French:** Professional | **German:** B2 (OSD Certificate)