

Saif Akkari

AI Deployment Strategist | Data Scientist

Specializing in Agentic AI & Industrial Automation

Tunisia | saifakkari.sa@gmail.com | +216 25265458
[LinkedIn](#) | [GitHub: Saif1005](#)

Professional Summary

Results-driven AI Deployment Strategist and Data Scientist focused on **Industrial Intelligence**. Expert in designing **Centralized Multi-Agent Systems (MAS)** integrated with ERP layers to automate production chains. Specialized in bridging the gap between legacy industrial systems and modern Agentic AI to drive operational efficiency and real-time decision-making.

Technical Skills

AI Architectures: Centralized Multi-Agent Systems (MAS), Agentic AI, RAG, LLMs, Orchestrator Agents.

Industrial Integration: ERP Integration Layers, Production Chain Automation, Industrial IoT, Workflow Optimization.

Engineering & MLOps: Python, Docker, Airflow, GitHub Actions, CI/CD, AWS, MLOps orchestration.

Data Science: SQL, PyTorch, Scikit-learn, LangChain, Hugging Face, Pandas, Tableau.

Professional Experience

AI & MAS Engineering Intern

11/2025 – 07/2026

Sotipapier

Tunisia

- Designing and developing a **Centralized Multi-Agent System (MAS)** to automate complex industrial production chains.
- Architecting an intelligent integration layer operating beneath the factory's **ERP system** to enhance data flow and operational logic.
- Implementing agentic coordination for real-time resource allocation and production scheduling.
- Optimizing manufacturing workflows through automated decision-making agents.

Data Scientist Intern

03/2025 – 07/2025

ONRTECHE

Tunisia

- Developed a **Multimodal RAG Agent** for technical documentation, integrating text and imagery for support teams.
- Optimized technical data retrieval using **ChromaDB** and **GPT-4**, reducing support response times.

Research Intern

07/2025 – 09/2025

REDCAD Laboratory

Sfax, Tunisia

- Researched **Federated Learning** for decentralized models and designed workflows using the **Model Context Protocol (MCP)**.
- Developed **ActiveAvance**, a defense mechanism against gradient poisoning in secure datasets.

Key Projects

Agentic AI for Industrial Workflow Management

- Designed dynamic system architectures using OrchestratorAgents to manage cross-departmental industrial tasks.

LLM Pipeline Automation (LLaMA 2)

- Orchestrated end-to-end fine-tuning and evaluation cycles using **Airflow** and **Docker**.

Education

M.S. in Data Science

09/2024 – Present

Higher Institute of Computer Science and Mathematics of Monastir (ISIMM)

B.S. in Applied Mathematics in Computer Science

2021 – 2024

Higher Institute of Computer Science and Mathematics of Monastir (ISIMM)

Languages

Arabic (Native) | **French** (Fluent) | **English** (Professional Working Proficiency)