

Mostafa Alrahal

Generative AI Engineer

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Generative AI Engineer specializing in building end-to-end LLM solutions, from data ingestion to agent orchestration. Skilled with Python, FastAPI, LangChain, LangGraph, and Google Agent Development Kit (ADK). Proven ability to architect high-impact RAG systems and agentic workflows that have reduced prototyping development lifecycles by over 80%.

Work Experience

Maly Tech Ltd | Gen AI Engineer | Dubai, UAE

Aug 2024 – Oct 2025

- Deployed **Deloitte's AI Tax Assistant** a specialized RAG assistant to provide accurate MENA tax information, ingesting and indexing a proprietary knowledge base of hundreds of complex legal documents to ensure high-fidelity.
- Deployed **Luna**, a conversational AI assistant using RAG to deliver personalized, context-aware answers to financial and Maly-related questions, successfully reducing 70% of customer support inquiries.
- Engineered a modular service **AI4ALL** to accelerate the prototyping and deployment of AI assistants, significantly reducing the time-to-delivery for new AI solutions across the company from days or weeks to hours.
- Architected the foundational **data ingestion pipeline** for the company's RAG architecture, automating the parsing and vectorization of diverse document formats (incl. PDF, DOCX, PPTX, TXT, MD) to power all AI applications.

Freelance | Angular Developer

Oct 2023 – Aug 2024

- Developed and maintained responsive web applications, implementing reusable UI components and integrating RESTful APIs to deliver tailored solutions for clients.

Projects

Graduation Project | Fruitful Tree Count Management

2023

- Developed a Computer Vision system to automate fruit tree counting and land cover change detection from high-resolution satellite imagery.

Academic AI Projects

2021 – 2024

- Computer vision, NLP, and classical ML systems, including hand gesture recognition (OpenCV), text classification, and income prediction (Scikit-learn).

Education

Damascus University | BS Information Technology Engineering

2018 – 2024

- Specialization: Artificial Intelligence & Natural Language Processing

Skills

- **Generative AI:** LLMs, RAG, Agents Orchestration, Prompt Engineering, Knowledge Graph.
- **Frameworks & Libraries:** LangChain, LangGraph, Google ADK, FastAPI, Scikit-learn, Docstring.
- **Tools:** Python, TypeScript, Git, Docker, Neo4j, MongoDB, MySQL, Redis, Angular.

Languages

Arabic: Native | English: Advanced