

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.

Education

Damascus University | BCs Information Technology Engineering

2018 – 2024

Specialization: Artificial Intelligence & Natural Language Processing | Grade: **78.24** - Very Good

Skills

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

Languages

Arabic: Native | English: Advanced