

# MOHAMMED SAMMER HUSSAIN

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## PROFESSIONAL SUMMARY

Aspiring Artificial Intelligence professional specializing in Generative AI and Large Language Models (LLMs) with hands-on experience in Retrieval-Augmented Generation (RAG), Deep Learning, and Natural Language Processing. Skilled in Python and modern AI frameworks including LangChain, PyTorch, and FAISS. Passionate about designing real-world AI applications that align with Saudi Vision 2030's digital transformation goals.

## EXPERIENCE

### INTERN- ARAMCO

01/2025 – 03/2025

Dhahran, Saudi Arabia

- Developed a local internal chatbot using RAG and Mistral-7B models to improve access to organizational knowledge.
- Integrated and deployed the chatbot with Rasa to support conversational flow and internal inquiry handling.
- Improved response accuracy and relevance, enhancing employee self-service efficiency.

### INTERN-Juffali

11/2024 – 01/2025

Jeddah, Saudi Arabia

- Configured and managed Cisco routers and Layer 2 switches.
- Gained hands-on experience with Meraki SD-WAN Technology, including site-to-site VPN setup.
- Developed an understanding of basic Cisco ASA firewall concepts.
- Configured Cisco switches for high availability.
- Gained a foundational understanding of the Python programming language.

## EDUCATION

### Generative AI Bootcamp – LLM Specialization

08/2025 – 11/2025

SAUDI DIGITAL ACADEMY (SDA) X WECLOUDDATA

Riyadh, Saudi Arabia

- Built multi-agent workflows for automated document analysis and proposal generation.
- Applied data preprocessing, embedding generation, and semantic search techniques.
- Completed specialization covering ML, DL, NLP, Transformers, LLM Fine-Tuning, and RAG Pipelines.
- Acquired practical exposure to LLM evaluation and deployment best practices.

### BACHELOR OF ARTIFICIAL INTELLIGENCE

2021 – 2025

University Of Jeddah

GPA: 4.18/5

## PROJECTS

### AI-Based RFP Analysis and Proposal Generation Chatbot | SDA & WeCloudData

Developed an intelligent chatbot that analyzes RFP documents, extracts key requirements, asks clarifying questions to the user, and automatically generates tailored proposal using large language models (LLMs)

### Traffic Light Management Using AI

- Developed an AI-based system to optimize traffic light management to improve traffic flow.
- Utilized CV and ML algorithms to monitor real-time traffic conditions and predict patterns.
- Implemented machine learning algorithms to predict traffic patterns and adjust light timings accordingly.

### Implement a Local Chatbot - ARAMCO

- Designed and implemented a chatbot from scratch to provide automated responses based on provided data.
- Integrated Mistral-7B (LLM) to enhance the chatbot's language capabilities.
- Built and applied a Retrieval-Augmented Generation (RAG) system to improve both the chatbot's retrieval and response generation capabilities.
- Used Rasa for framework development and Python for scripting and integration.

## CERTIFICATES

### SDA x WeCloudData

Generative AI Bootcamp - LLM Specialization

Udemy-Complete A.I. & Machine Learning, Data Science Bootcamp (currently taking)

### IBM-Data Fundamentals

## SKILLS

### AI & ML

- Deep Learning, NLP, LLMs
- Prompt Engineering, RAG
- Conversational AI
- LangChain, Computer Vision
- Data Analytics & Visualization

### Tools

- LangChain, LangGraph
- Hugging Face
- OpenAI API
- FAISS
- Gradio, Streamlit
- GitHub, VS Code, Kaggle

### Soft Skills

- Problem Solving
- Communication
- Teamwork
- Adaptability
- Leadership

## LANGUAGE

Arabic  
Native

English  
Fluent