

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

- 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.

01/2025 – 03/2025

Dhahran, Saudi Arabia

INTERN-Juffali

- 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.

11/2024 – 01/2025

Jeddah,Saudi Arabia

EDUCATION

Generative AI Bootcamp – LLM Specialization

SAUDI DIGITAL ACADEMY (SDA) X WECLOUDDATA

08/2025 – 11/2025

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

University Of Jeddah

2021 – 2025

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