

OSAMA ALGHAMDI

Artificial Intelligence | Data Scientist | Digital Transformation

Phone: +966 542508260

LinkedIn: linkedin.com/in/osama-alghamdi-4aa902302

GitHub: github.com/Osamhkk-Ai

Email: osamh.wk@gmail.com

Location: Riyadh

Summary

AI & Data Science graduate with hands-on experience building machine learning and RAG-based LLM systems for real-world decision support. Demonstrated strong business awareness through applied projects and practical experience at the Saudi National Bank (SNB), with top performance at the Saudi Digital Academy Data & AI Bootcamp.

Education

University of Jeddah — Bachelor of Artificial Intelligence | GPA: 4.08 / 5

Oct 2020 – Jan 2025

Jeddah

- Focus on **data analytics, machine learning, and ethical AI**
- Applied AI in **industry-based, business-focused projects**

Saudi Digital Academy × Le Wagon — Data & AI Bootcamp

Feb 2025 – May 2025

Riyadh

- Intensive, full-time program in **applied ML, LLMs, and data-driven solutions**
- **Ranked Top 10** and led a **capstone project showcased to the Minister of Communications**
- Delivered **data-driven solutions for real-world business and financial use cases**

Saudi Data & AI Authority (SDAIA) — Professional AI Bootcamp

Dec 2025 – Feb 2026

- **Selected participant** in a professional program focused on **applied AI, problem-solving**

Work Experience

Saudi National Bank (SNB) | Data Engineering Intern, Finance

Jun 2024 – Jul 2024

Jeddah

- Analyzed 1M+ banking records using **SQL and Python to support financial analysis**
- Built 7 reports and 3 executive Power BI dashboards for **data-driven decision making**
- Applied **predictive models to support financial forecasting and reporting workflows**

Awards

3rd Place – AI Agent Hackathon, organized under the **Ministry of Communications and Information Technology (MCIT)**, delivering an AI-agent-based solution among highly competitive teams.

Skills

- **Soft Skills**• Leadership & Team Collaboration• Communication & Stakeholder Engagement• Problem Solving & Critical Thinking• Decision Making & Adaptability• Initiative, Self-Learning & Strategic Mindset **Arabic (Native) English (Fluent)**
- **Technical Skills**• Python, SQL, Microsoft SQL Server• Data Analysis, Data Engineering, Data Pipelines• Machine Learning, Deep Learning, Generative AI, LLMs• Natural Language Processing (NLP)• Predictive Analytics• Power BI• PyTorch, TensorFlow, Scikit-learn• Hugging Face, LangChain• Git, Jupyter Notebook, MLOps

Certifications and Training

Professional Certifications

- CompTIA Data+
- Junior Data Scientist – INE
- Data Science & AI — Saudi Digital Academy × Le Wagon

Professional Learning Programs

- Deep Learning Nanodegree
- **Generative AI Nanodegree**
- Power BI Career Track DataCamp

Projects

RAG-Based Legal Document Q&A System (Labor Law)

- Built an end-to-end **RAG system** using **JinaAI embeddings, ChromaDB, and Gemini LLM** for legal decision support
- Applied **semantic chunking, hybrid retrieval (keyword + vector)**, and **re-ranking** to improve answer precision

VTAC – AI Assistant for Football Match Prediction

- Developed an **ensemble-based predictive model** for match prediction, achieving **~77% accuracy** and **log loss < 0.27**
- Built a full-stack application using **Flask** and **React** to present predictions and insights

Multi-Modal Sentiment Analysis (Team Project)

- Implemented a **Vision Transformer (ViT)** for image-based sentiment classification, achieving **~95% accuracy**
- Collaborated within a team on a multi-modal deep learning system

SAQR – AI-Based Metro Passenger Compliance System

- Verified VIP access in First Class cabins using face embeddings and similarity search.
- Detected food and drink violations across First Class and Regular cabins.
- Enabled embedding-based video search to locate individuals within metro recordings.