

OSAMA ALGHAMDI

Data Scientist | AI & LLM Engineer | Predictive Analytics & NLP Specialist | CompTIA Data+

Phone: +966 542508260 | LinkedIn: linkedin.com/in/osama-alghamdi-4aa902302 | GitHub: github.com/Osamhkk-Ai

Email: osamh.wk@gmail.com

Summary

AI and Data Science graduate with hands-on experience at the **Saudi National Bank (SNB)** and top performance at the **Saudi Digital Academy's Data & AI Bootcamp**. Skilled in **Python, Power BI, NLP, and LLM development** using PyTorch, Hugging Face, and OpenAI APIs. **CompTIA Data+ certified** with a strong foundation in **statistics, predictive analytics, and data visualization**. Applied data-driven methods to enhance insights and decision-making processes. **Eager to contribute AI expertise** to develop intelligent, automated, and impactful business solutions.

Education

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

Oct 2020 – Jan 2025

Jeddah

- Studied AI, data science, and digital technologies in a Ministry-accredited program
- Covered machine learning, deep learning, and ethical AI
- Gained hands-on training through industry-based projects

Saudi Digital Academy × Le Wagon — Data & AI Bootcamp

Feb 2025 – May 2025

Riyadh

- Completed a **12-week full-time** bootcamp in machine learning, deep learning, **LLMs, generative models, MLOps, and data engineering**
- Ranked among the **top 10 performers** of the cohort
- **Led a team project** selected and showcased to the **Minister of Communications** as a model of innovation
- Built data-driven projects simulating real-world use cases
- Gained practical experience in teamwork, communication, and 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.
- Built **7 reports and 3 dashboards** with **Power BI** and **Adobe** for department heads.
- Learned about financial data workflows and reporting processes in a banking environment
- Applied predictive models for financial reporting

Skills

Technical Skills • Python, SQL, Power BI, Microsoft SQL Server
• Machine Learning, Deep Learning, **Generative AI, LLMs, Prompt Engineering**
• Natural Language Processing, Data Engineering, Data Pipelines, Predictive Analytics
• PyTorch, TensorFlow, Hugging Face, Scikit-learn, Jupyter Notebook, LangChain, Git / MLOps

Soft Skills

- Leadership, Communication, Team Collaboration
- Problem Solving, Decision Making, Critical Thinking
- Negotiation, Influencing, Adaptability
- Mentorship, Self-Learning, Strategic Thinking

Languages

- Fluent in Arabic and English

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 — **Completed (61 hours)**
 - **Generative AI Nanodegree — In Progress (50 hours)**
 - Data Analysis Nanodegree — **In Progress (43 hours)**
- Power BI Career Track DataCamp (3/17 Courses Completed)

Projects

RAG-based Document Understanding System — Built a LangChain + OpenAI pipeline for document Q&A using embeddings and ChromaDB.

LLM Fine-Tuning (GPT-2) — Applied PEFT/LoRA for sentiment classification and dialogue summarization with external GPU.

Hekaya — AI app for heritage detection & Lihyanite script translation using YOLOv8, Gemini, and LangChain.

VTAC — AI football assistant with **3 model** match prediction, tactical insights, and chatbot interaction with **csv agent**.

Multi-Modal Sentiment Analysis — CNN + LSTM model combining audio and image inputs.

Olist E-Commerce Analysis — Data cleaning, exploration, and visualization using Python.

Additional ML/DL Projects (Udacity): Sentiment Analysis (Transformers), Bike Demand Forecasting, GAN-based Face Generation.