

OSAMA ALGHAMDI

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

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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 & Lihyante 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.