Ammar Alrifaie

Data Scientist

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PROFILE

Fresh computer science graduate from King Abdulaziz University specializing in data science, data engineering, and data analysis. Skilled in Python, SQL, ETL pipelines, and machine learning, with hands-on experience in building data models and analytical dashboards. Eager to contribute to data-driven projects and grow as a data professional.

EDUCATION

Bachelor of Computer Science   01/2020 – 08/2024
King Abdulaziz University
GPA 4.54 / 5 with Excellent Second Honor

PROFESSIONAL EXPERIENCE

Software Developer - Tamheer Program   05/2025 – present
Business Schema Trading   Jeddah, Saudi Arabia
- Develop and maintain dynamic webpages using JavaScript, HTML, and CSS.
- Write and optimize SQL Server queries to manage, retrieve, and update business data
- Collaborate with team members to integrate backend data with frontend interfaces.

Advanced AI Training Program   01/2025 – 02/2025
KAUST   King Abdullah City
- Gained hands-on experience in applying machine learning and deep learning techniques for data analysis and prediction.
- Performed data preprocessing, cleaning, and feature engineering to improve model accuracy and reliability.
- Utilized Python libraries such as PyTorch, Pandas, and Scikit-learn to develop and evaluate data-driven solutions.

PROJECTS

Medallion Architecture Data Warehouse 🔗
Data Engineer Project
- Designed and implemented a Medallion Architecture Data Warehouse (Bronze, Silver, Gold layers).
- Built custom data ingestion and transformation pipelines using SQL stored procedures.
- Analyzed requirements and defined data models, keys, and schema structures.
- Delivered clean, reliable, and business-ready data to support downstream analytics and reporting.

Sanad 🔗
Graduation Project
- Utilizes Virtual Reality (VR) technology for an immersive training experience
- Developed using the Unity game engine and programmed in C#.
- Incorporates both tutorial and test modes to enhance user engagement and learning effectiveness.

SKILLS

Technical Skills
- **Programming & Tools:** Python, SQL, PyTorch, Pandas, NumPy, Scikit-learn, OpenCV
- **Data Engineering:** ETL pipelines, Data Modeling, SQL Server, Data Warehousing, Databricks
- **Data Science & Analysis:** Machine Learning, Deep Learning, Feature Engineering, Data Visualization (Matplotlib, Seaborn, Power BI)

Soft Skills
- Analytical Thinking and Problem Solving
- Attention to Detail and Data Accuracy
- Collaboration and Teamwork
- Adaptability and Continuous Learning
- Time Management and Organization
- Communication and Presentation Skills

CERTIFICATES

Data Analyst Nanodegree	**Building LLM Applications With Prompt Engineering**	**Machine Learning**
Udacity	Nvidia	DeepLearning.AI

AWARDS

Qualified among the top 25 teams out of 2600 at Saudi Fourth Industrial Revolution Hackathon, Ministry of Communications and Information Technology.   08/2024