Saleh Othman Alhuqayl

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Summary

Data Science and AI professional with hands-on experience developing innovative solutions to improve data quality and decision-making in the public sector. Skilled in machine learning, deep data analysis, and creating strategic reports to support high-impact business operations.

Professional Experience

Data Scientist – Mozn | November 2024 – Present

- Designed and delivered AI and data science solutions across government and private sectors, accelerating innovation and digital transformation
- Built and integrated 15+ data systems alongside a centralized data catalog in Informatica, covering 80% of MoHU's core infrastructure and fully aligned with SDAIA's National Data Index (NDI).
- Engineered and optimized business rules for 150+ Critical Data Elements (CDEs), measurably enhancing data quality, governance, and compliance.
- Increased data accuracy by 25% and improved quality by 15% through advanced Python-based validation and correction workflows, enabling more reliable analytics

Operations Analyst – Boeing Saudi Arabia (Internship) | July 2024 – October 2024

- Upgraded and optimized Boeing's internal simulation tools to accurately model complex operations, enabling stronger decision-making and performance gains.
- Delivered data-driven solutions by conducting operational analysis and presenting insights to stakeholders, achieving 12% cost reduction and strengthening project documentation (RFPs, SOWs).

Education

Bachelor's in Computer Science – Data Science Track | Majmaah University | Graduation Date: August 2024

- GPA: 4.72 out of 5

Certificates

- **AI Programming with Python - Nanodegree Program** | Udacity | Link to Certificate
- **Jr Data Scientist Certificate** | INE | Link to Certificate
- **Predictive Analytics Modeler Certificate** | IBM | Link to Certificate
- **HCIA-AI Certificate** | Huawei | Link to Certificate

Research & Publications

Improving Predictive Maintenance in Industrial Environments via IIoT and Machine Learning
Academic Research | 2023 – 2024 | Link to Paper

Skills

Soft Skills
Leadership | Problem Solving | Presentations | Communication | Project Management | Analytical Thinking | Team Management | Strategic Decision-Making | Time Management | Creativity | Organization

Practical Skills
Data Engineering | Data Pipelines | Data Analysis | Machine Learning | Automation | Process Optimization | Data Visualization | Reporting | Business Intelligence | Data Cleaning | Data Quality

Technical Skills
Languages & Tools: Python | C++ | SQL | Informatica Cloud (IDQ) | Microsoft Excel | Microsoft Office
Libraries & Frameworks: Pandas | NumPy | Polars | Scikit-learn | Matplotlib | Geopandas | PyTorch
Data Capabilities: Data Cleaning | Data Visualization | Web Scraping | API Integration | Data Pipelines

Languages

- **English | Arabic**