Saleh Othman Alhuqayl

⦿ **Riyadh, Saudi Arabia |** ✆ **0504239033 |** ✉ **Saleh@alhuqayl.com**

▣ **Portfolio: portfolio.alhuqayl.com |** (in) **LinkedIn :linkedin.com/in/salehalhuqayl**

🗋 Summary

Driven Data Scientist with a strong foundation in AI and public sector innovation. Skilled in designing scalable data systems, boosting data quality, and delivering actionable insights. Proven ability to align with national strategies like NDI and lead high-impact digital transformation. Trusted to bridge complex analytics with real-world results.

💼 Professional Experience

Data Scientist - Mozn | November 2024 - Present

- Designed AI and data science solutions across government and private sectors, accelerating digital transformation
- Built and integrated 16+ 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).
- Developed software to automate the integration of business rules with CDEs, boosting productivity by over 60%.
- Increased data accuracy by 25% and improved quality by 15% through advanced Python-based validation.
- Developed and applied a statistical fraud-detection algorithm (based on covariance analysis) to identify price manipulation by Hajj offices, resulting in uncovering dozens of violations.

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

- Improved Boeing's simulation tools for better operational modeling and decision-making.
- Achieved 12% cost reduction by delivering insights through operational analysis and stakeholder reporting.

🎓 Education

Bachelor's in Computer Science – Data Science Track | Majmaah University | 2019 – 2024

- **GPA**: 4.72 out of 5
- **Leader of Tech Hub Student Club | Link to Club Website**:
  - Led the club to win the Gold Award for Excellence in Student Activities
  - Reached 80% of the students in CCIS, resulting in over 1,200 active club memberships.

▤ Certificates

- **Jr Data Scientist Certificate** | INE | Link to Certificate
- **PCAD™ – Certified Associate Data Analyst with Python |** OPENEDG | Link to Certificate
- **AI Programming with Python - Nanodegree Program** | Udacity | Link to Certificate
- **IBM Predictive Analytics Modeler Certificate** | IBM | Link to Certificate
- **HCIA-AI Certificate |** Huawei | Link to Certificate

🗇 Research & Projects

➢ **Enterprise-Grade RAG System for Semantic Search & Workflow Automation | Mozn | 2025:**
  - Developed an enterprise-grade semantic search tool using RAG, enhancing internal knowledge access and automating workflows. Achieved over 50% efficiency gains in document retrieval.

➢ **AI Agent for Tender Relevance Scoring - Etimad Platform | Mozn | 2025:**
  - Built an LLM-powered agent to assess and rank public tenders from Etimad based on their alignment with Mozn's business goals, surfacing high-fit opportunities for stakeholders.

➢ **Predictive Maintenance 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

Technical Skills:
- **Languages & Tools:** Python | C++ | R programming | SQL | Informatica Cloud (IDQ) | Microsoft Excel
- **Libraries & Frameworks:** Pandas | NumPy | Polars | Scikit-learn | Matplotlib | Geopandas | PyTorch
- **Data Capabilities:** Data Engineering | Data Cleaning | Data Quality | Data Pipelines | Data Visualization | Machine Learning | Deep learning | Web Scraping | API Integration | Automation

🖳 Languages

- **English | Arabic**