# Saleh Othman Alhuqayl

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🖳 **Portfolio: salehalhuqayl.github.io |** ⓘ **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 and delivered AI and data science solutions across government and private sectors, accelerating innovation and 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).
- Engineered and optimized business rules for 1500+ Critical Data Elements (CDEs).
- Increased data accuracy by 25% and improved quality by 15% through advanced Python-based validation.
- Developed software to automate the integration of business rules with CDEs, boosting productivity by over 60%.

### 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 | 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

- **AI Programming with Python - Nanodegree Program** | Ʊ Udacity | Link to Certificate
- **Jr Data Scientist Certificate** | INE INE | Link to Certificate
- **IBM 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

**Technical Skills**
**Languages & Tools:** Python | C++ | R programming | SQL | Informatica Cloud (IDQ) | Microsoft Excel | Microsoft Office
**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**