Ahmed Melaih

Sr. System Analyst | Data Scientist

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Profile

Data-driven IT professional with 7+ years of experience in enterprise platforms and core systems within financial and broadcast sectors. Skilled in Python, ML, SQL, Power BI, and GenAI. Proven ability to deliver AI/ML solutions, lead support for critical systems, and align technology with business outcomes. Transitioning into data science with real-world AI projects and cloud-based modeling showcased in my portfolio.

Key Skills

Python, SQL, Scikit-learn, Power BI | ML, NLP, GenAI, XGBoost, LLMs | MLOps (MLflow, Azure ML), AWS, GCP | Core Banking & ERP System Support | Agile, SLA & Vendor Management

Languages & Tools

Python, SQL, Pandas, NumPy, Power BI, TensorFlow, Docker, Git, AWS, Azure

Experience

Sr. System Analyst Lead – Core Systems | Ministry of Information | GBM   *Jul 2020–Present*
- Led mission-critical system support, vendor management, and dashboard development.
- Created Power BI reports, improved system uptime, realtime pipelines (Grafana)
and automated reporting workflows.

Data Scientist – _Skills Union_ | Remote   *Jan 2025- Aug 2025*
- *Advanced Data Science ML and AI Skills.*
- Data strategy governance and compliance .

ERP System Analyst | _Almoayyed Computers_   *Jan 2020- June 2020*
- Analyzed ERP data flows, coordinated client requirements, supported integration.

IT Engineer (Banking Systems) | GWC LTD   *Jan 2017– Dec 2019*
- Supported core banking software; managed updates, data pipelines, and scripting.

IT Support – Dealing Room | _BNP Paribas MEA_   *Jan 2017- June 2017*
- Provided end-user and infrastructure support on trading floor.

AI/DS Projects

- Fraud Detection – 91% accuracy
- Customer Segmentation (K-Means + Power BI), Sentiment analysis - NLP
- LLM Support Bot (AWS + GPT-4) – automated internal query handling
- More at: https://ahmedmelaih.github.io

Education & Certification

- M.Sc. in Big Data Science and Analytics, University of Bahrain (Candidate)

- B.Sc. Computer Science, University of Bahrain (2016)

- Certifications: Data Science & ML (SkillsUnion) | AWS SageMaker Professional (2025)