

Malik AlNajjar

Data Analyst

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EDUCATION

B.Sc. Software Engineering | GPA: 4.96/5.0

Expected June 2026 | UBT, Jeddah, Saudi Arabia

ACM Vice Chair & Treasurer | GDG Outreach Lead | KAUST Advanced AI Specialization (Jan-Feb 2025): ML, Deep Learning, Python

PROFESSIONAL SUMMARY

Detail-oriented Data Analyst with strong attention to detail and hands-on experience in data analysis, ETL pipelines, and business reporting. Translates complex datasets into actionable insights via Power BI dashboards, statistical modelling, and data storytelling. Effective communicator, cross-functional collaborator, and self-motivated problem-solver. Graduating June 2026, GPA 4.96/5.0; holds AWS DEA-C01, SAA-C03, DAMA CDMP, CAPM, and CompTIA Data+; PL-300 scheduled May 2026.

TECHNICAL SKILLS

BI & Reporting: Power BI (DAX, Power Query, RLS, Service), Tableau, Excel (Advanced), Matplotlib, Seaborn

Data Analysis: Statistical analysis, EDA, data wrangling, ETL, data pipeline design, data modelling, predictive analytics, reporting

Languages & DB: Python (Pandas, NumPy, Scikit-learn), SQL (PostgreSQL, MySQL), R, PostgreSQL, MySQL, Redis

Cloud: AWS (S3, Glue, Athena, QuickSight, Lambda), Azure Data Factory, REST APIs, Agile/Scrum

Soft Skills: Communication, Data storytelling, Critical thinking, Cross-functional collaboration, Attention to detail, Leadership, Adaptability, Problem-solving, Teamwork, Time management

PROJECTS & EXPERIENCE

AUJ / Aouj - Smart Retail Shelf Analytics | Senior Capstone Project

2025-2026

ESP32 · MQTT · PostgreSQL · Prophet · Power BI · React

- Designed ETL pipeline ingesting real-time IoT sensor data from 3 ESP32 nodes into PostgreSQL via MQTT; built Power BI dashboard with 5+ KPIs for non-technical stakeholders.
- Performed time-series data analysis using Prophet on a 6-month dataset to build demand forecasting model for inventory decisions.

Sadeed - Data Quality & Validation Platform | GASTAT Hackathon | Finalist

2025

[github.com/malikaalnajjar/Sadeed_GASat_Hackathon](#)

FastAPI · Redis · Great Expectations · One-Class SVM · Ollama · Browser Extension

- Conducted analysis across 3-5 GASTAT government datasets; built 3-layer ETL validation (schema checks, statistical profiling, ML anomaly detection) deployed as browser extension.
- Integrated One-Class SVM across 10+ data columns with zero labelled examples; automated Arabic data quality reporting via local LLM, eliminating manual summarisation. Reached finals out of nationwide competing teams.

Tayseer - Autonomous Wheelchair Edge Pipeline | AVITHON 2025 (GACA)

Top 15 Nationwide / 500+ Teams

NVIDIA Jetson Nano · ROS · LiDAR · Intel RealSense · TLS 1.3 · AES-256

- Analysed 2-source sensor fusion data (LiDAR + depth camera) for real-time obstacle mapping on edge hardware.
- Ranked Top 15 nationwide out of 500+ teams at AVITHON 2025 by GACA; conducted field research at KAIA Jeddah Airport.

Masra - Smart Adventure Tourism Platform | Aseer Tabtaker Hackathon 2025

2025

AI · IoT · Mobile · Vision 2030

- Co-developed AI-powered mobile platform for Asir tourism with IoT safety alerts and smart navigation; aligned with Vision 2030 and presented to government stakeholders.

CERTIFICATIONS

PMI CAPM Project Management (Jan 2026) - project lifecycle, risk management, stakeholder communication, Agile | **PL-300 Power BI Data Analyst (Scheduled May 2026)** - DAX, Power Query, data modelling, RLS, Power BI Service

AWS DEA-C01 Data Engineer Associate (Mar 2026) - data ingestion, transformation, orchestration; Glue, Athena, Kinesis, Lake Formation | **AWS SAA-C03 Solutions Architect (Feb 2026)** - resilient, cost-optimised cloud architectures on AWS

AWS CLF-C02 Cloud Practitioner (Nov 2025) - AWS core services, cloud concepts, security, pricing | **DAMA CDMP Data Management Professional (Jan 2026)** - data governance, data quality, master data management

CompTIA Data+ (2024) - data concepts, mining, analysis, visualisation, reporting | **IBM Data Engineering Professional Certificate (Dec 2025)** - Python, SQL, Spark, ETL pipelines, data warehousing

Google Data Analytics Certificate (Dec 2025) - data cleaning, analysis, R, Tableau, six-phase analysis framework | **DataCamp Associate Data Engineer in SQL (Jun 2025)** - schema design, query optimisation, ETL, database administration

Google Project Management Certificate (Jan 2026) - Agile/Scrum, project planning, stakeholder management | **McKinsey Forward Program (Jul 2025)** - problem-solving, data-driven decision making, professional skills

AWARDS, LEADERSHIP & ACTIVITIES

2nd Place - Project Management Championship by Beyond | UBT 2025 | Brand Protection Member, AFC Asian Cup U-23 (Jan 2026-Present)

GDG Outreach Lead: organised cloud & data workshops for 100+ students, 40%+ attendance growth | **ACM Vice Chair & Treasurer:** managed SAR 5,000 budget, delivered 3-5 technical events/cycle (30+ participants each)