

# Yousef Almotawea | Data Engineer | CDMP

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## PROFESSIONAL SUMMARY

Data Analyst & aspiring Data Engineer and Certified CDMP Associate with a strong foundation in SQL, Python, and ETL pipelines. Proven experience in designing Data Warehouses (Star Schema) and orchestrating workflows using Apache Airflow. Currently leveraging data analysis skills to optimize reporting processes, seeking to apply expertise in building scalable data infrastructure.

## WORK EXPERIENCE

The Only Agency (Perpetual)

Riyadh, Saudi Arabia

*Data Analyst (Full-time)*

May 2025 - Present

- Processed and modeled large datasets using statistical methods to enable trend analysis and strategic decision making.
- Developed data ingestion processes to collect and clean unstructured social/CRM data from platforms like Talkwalker, ensuring high Data Quality for downstream analysis.
- Designed data models and interactive dashboards in Looker Studio, streamlining the reporting lifecycle for stakeholders.

## PROJECT EXPERIENCE

IBM

Riyadh, Saudi Arabia

*Data Warehouse | Data Engineering Project*

May 2025 - Jun 2025

- Architected a Data Warehouse using PostgreSQL and Star Schema methodologies. Optimized SQL queries and created materialized views, reducing query execution time for waste management analytics.

IBM

Riyadh, Saudi Arabia

*AirFlow DAG | Data Engineering Project*

Feb 2025 - Mar 2025

- Engineered an automated ETL pipeline using Apache Airflow. Wrote custom Python scripts and Bash operators to orchestrate the extraction and transformation of multi-format traffic data into a staging environment.

WellWise

Riyadh, Saudi Arabia

*Saudi Electronic University | Senior Project*

Feb 2024 - Dec 2024

- Contributed to the development of a full-stack, health-tech solution hosted on AWS.

- Architected the database schema and optimized SQL queries for real-time calorie tracking.

- Applied Agile methodologies to manage the product roadmap from ideation to MVP (Minimum Viable Product).

## EDUCATION

Saudi Electronic University

Riyadh, Saudi Arabia

*Bachelor of Science in Computer Science*

## SKILLS

**Programming:** Python (Advanced), SQL (Advanced), Bash/Shell Scripting

**Databases:** MySQL, PostgreSQL, MongoDB, Apache Cassandra, NoSQL

**Data Engineering:** ETL/ELT, Data Warehousing, Data Modeling (Star Schema), Apache Airflow, Docker, Spark ML

**Governance & Quality:** Data Quality, Data Governance (CDMP concepts), Master Data Management.

**Tools and cloud:** Git/GitHub, AWS (S3, EC2 basics), Looker Studio, Excel

## COURSES & CERTIFICATES

- CDMP Associate - DAMA International (Jan, 2026)
- IBM Data Engineer Professional Certificate - IBM