

Abdulrahman Khalifa

Data Engineer

✉ Abdulrahman.M.Khalifa@gmail.com | ☎ +20 106 246 6473 | 💻 Abdulrahman-M-Khalifa | 🌐 Github.com/A-Khalifa1

Education:

Data Engineering Track | ITI (Information Technology Institute), Egypt. [2024 - 2025]
Bachelor of Engineering in Computer Engineering | Higher Institute of Engineering and Technology, El Behira. [2016 - 2022]

Experience:

- QUIRONSALUD - DUBAI** [01/2024 - 11/2024]
- CUSTOMER CARE REPRESENTATIVE** Handled VIP patient appointments with personalized service, managed records and generated reports using **SQL & Power BI**, verified insurance details for smooth billing
- CARE EGYPT NGO, UNICEF** [02/2023 - 12/2023]
- DIGITAL SKILLS CONSULTANT** Prepared study materials, taught digital skills to prospects, and evaluated their progress before and after the course.
- EXPEDIA EN GLOBAL** [08/2020 - 1/2022]
- INTERNATIONAL CUSTOMER SERVICE ADVISOR** Troubleshoot issues to resolution and escalated unresolved cases to appropriate internal teams.
- UNICEF (EVAC PROJECT)** [06/2019 - 7/2020]
- TRAINING FACILITATOR** Coordinated sessions for children on sexual harassment awareness and self-protection, and facilitated parenting sessions on effective child-rearing.
- VODAFONE UK** [06/2019 - 7/2020]
- INTERNATIONAL CUSTOMER SERVICE ADVISOR** Handled customer issues, answered over 65 calls daily, persuaded customers with offers, and supported and motivated over 40 colleagues.
- MEGATOPIA LTD FOR DESIGNING AND PRINTING SERVICES** [01/2017 - 03/2019]
- CEO / CO- FOUNDER** Negotiated deals with printing houses, led a team of six graphic designers, and obtained contracts with organizations and startups.

Projects:

- Gravity Books Data Warehouse (2025):** Modeled a **Snowflake** Schema data **warehouse**, developed an **ETL pipeline** using **SSIS/SSAS**, and created **Power BI** dashboard.
- Global Fashion Retail Sales – Lambda-Inspired Architecture (2025):** Simulated a hybrid Lambda Architecture using Kafka and SQL Server. Built a batch layer with SSIS and Power BI, and a streaming layer with Python and Streamlit to analyze real-time and historical retail sales across seven countries.
- Telecom Churn EDA & Visualization (2025):** Conducted EDA with **Pandas & Seaborn**, built **Power BI** dashboards, and identified key churn drivers (charges, contract, service issues) and retention factors (tenure, internet) to reduce churn and increase revenue.
- Web Scraping with Selenium:** Scraped mobile data (price, rating, and images) from Amazon.
- Fraud Detection and Transaction Risk Analysis:** Developed an ELT data pipeline using **Airbyte**, **PostgreSQL**, and **dbt**, orchestrated with **Kestra**. Designed a **Star Schema** dimensional model to enhance fraud detection and assess transaction risks more effectively.
- V.I.S.I.O.N - Smart Mirror (BHI Graduation Project):** Displays body temperature, news, stock updates, prayer times, and streams YouTube.

Courses:

- Kaggle:** Python, **Pandas**, Data Cleaning, and Data Visualization – **Certified**.
- AWS Academy:** Data Engineering on AWS – **Certified**
- AWS Academy:** Cloud Foundations – **Certified**.
- ITI:** Database Fundamentals – **Certified**.
- Databricks:** Fundamentals Accreditation (Data Lake-House Concepts) – **Certified**.

Technical Skills:

- Data Engineering & Big Data:** Data Warehousing (Star, Galaxy, Snowflake), Dimensional Modeling, ETL Processes, Performance Optimization, Cloud Computing, and Distributed Systems.
- Big Data & Distributed Systems:** Hadoop (HDFS, YARN, MapReduce), Spark, Kafka, and Hive.
- Databases:** SQL, NoSQL (MongoDB, Atlas Cloud), PostgreSQL, MySQL, and MSSQL.
- Programming & Scripting:** Python, SQL, Bash, C, and C++.
- Data Analytics & EDA:** Data Exploration, Preparation, and Visualization using NumPy, Pandas, Matplotlib, Seaborn, Plotly, and Power BI.
- Tools & Platforms:** Apache Airflow, Talend, Airbyte, Databricks, MS SQL Server (SSIS, SSAS, SSRS), Visual Studio, Docker, CI/CD Jenkins and Git, Linux (CentOS-Stream-9).

Soft Skills:

- Problem-solving, critical thinking, teamwork, collaboration, communication skills, self-motivation, and presentation skills.
- Languages:** Arabic (native), English (fluent).