Ahmed Almahey

BI Developer — Data Analyst

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⦿ GitHub Profile   Phone: +20-155-267-2575   🌐 Portfolio Website

Location: Cairo, Egypt   Military Status: Exempted

Profile

Business Intelligence Developer and Data Analyst with hands-on experience in Power BI, Tableau, SQL, and ETL development. Trained at the Information Technology Institute (ITI) under the Ministry of Communication & Information Technology. Skilled in data modeling, data warehouse design, dashboard storytelling, and full BI solution development. Strong mathematical and statistical foundation combined with practical analytics and visualization experience. Seeking a role to deliver impactful, data-driven insights for business growth.

Experience

Business Intelligence Developer Intern — *Information Technology Institute (ITI)*
Feb 2025 – Jul 2025
Ministry of Communication and Information Technology, Egypt

- Designed and developed data warehouses and ETL pipelines using SQL Server and native SQL scripts.
- Built interactive Power BI dashboards and SSRS reports with advanced DAX measures and KPIs.
- Modeled data using star and snowflake schemas and dimension tables to improve reporting performance.
- Collaborated in Agile teams and used Git for version control.

Math Teacher (Freelance) — *Tanta, Egypt / Remote*   Sep 2022 – Feb 2025

- Delivered math instruction in Arabic English (online/in-person) and designed digital Google Forms quizzes with automated grading in Sheets; strengthened presentation communication skills relevant to BI storytelling.

Technical Skills

Programming & Analysis:	Python, SQL, NumPy, pandas, scikit-learn
Data Visualization:	Power BI, Tableau, DAX, Power Query
Database Systems:	SQL Server, MongoDB
ETL / BI Tools:	SSIS, SSAS, SSRS
Data Modeling:	Star schema, snowflake schema, dimensional modeling, data warehousing
Other:	API integration, Linux, Bash scripting, prompt engineering

Key Projects

Examination System — Intelligent Assessment & Analytics Platform
 View Project (link)
Developed a complete end-to-end BI solution for examination management and performance analytics. Designed the transactional database and a snowflake data warehouse on SQL Server. Implemented native SQL ETL scripts to load and transform data between layers. Built multiple SSRS reports and Power BI dashboards, then published dashboards to Power BI Service with scheduled refreshes — enabling instructor KPIs, score distributions, and question-level analytics in a scalable platform.

Superstore Advanced Sales & Profit Insights — Tableau
 View Project (link)
Designed a multi-dashboard Tableau solution using the Sample Superstore dataset. Implemented advanced visuals (Waterfall, Lollipop, Donut, Maps), dynamic parameters, KPI cards and forecasting. Used sets and parameter-driven analysis to highlight profit drivers and sales performance. Focused on executive-ready storytelling and dashboard performance optimization.

Airlines Delay Analysis — Power BI
 View Project (link)
Developed a Power BI solution for airline operations: created Date and Location dimensions, designed a star schema for delays and flights, and implemented DAX measures for delay KPIs. Delivered interactive visuals (maps, time-series, scatter plots) to support decision-making and root-cause analysis.

Facebook Posts Performance Dashboard — Power BI
 View Project (link)
Automated extraction from the Facebook Graph API, transformed data with Power Query, and visualized engagement metrics, time trends and content performance. Built mobile-ready dashboards and configured dataset refresh for ongoing analytics.

SSIS ETL Automation — SQL Server Integration Services
 View LinkedIn Post (link)
Engineered SSIS packages to automate ETL processes across files and database systems. Implemented transformations, merges, derived columns and robust error-handling and logging to improve pipeline reliability and maintainability.

Customer Churn Prediction — Python & Streamlit
 View Project (link)
Performed preprocessing and feature engineering, trained a Naive Bayes classifier to predict churn with 82% accuracy, and deployed an interactive Streamlit app for scenario testing and business-facing decision support. Emphasized reproducibility and accessibility for non-technical users.

Education

B.Sc. in Mathematics & Statistics — Faculty of Science, Tanta University   Sep 2017 – Jun 2023
Graduation Project: A+

Courses & Certifications

- **Learning Data Analytics: Foundations** — LinkedIn Learning, 2025
   View Credential (link)
- **Power BI Essential Training** — LinkedIn Learning, 2025
   View Credential (link)
- **Learning Excel: Data Analysis** — LinkedIn Learning, 2025
   View Credential (link)

Languages

Arabic (Native)   —   English (Proficient, B2 Level)