

YOUSSEF MOHAMED

Data Analyst | Computer Science Student

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SUMMARY:

Data Analyst and Computer Science student experienced in building end-to-end data workflows using SQL, Power BI, and Excel.

Analyzed 7,000+ records to identify key drivers of customer churn and revenue trends, delivering insights through interactive dashboards.

Skilled in DAX and Power Query for transforming complex datasets into clear and actionable business KPIs.

Currently developing Python skills for advanced analytics and automation.

SKILLS:

- **Data Analysis & Visualization:** Power BI (DAX, Power Query), Excel (Pivot Tables, Power Pivot), KPI Reporting, Interactive Dashboards
- **Data Management & SQL:** SQL (Data Extraction, Joins, Data Cleaning), Data Modeling (Star Schema)
- **Analytical Skills:** Data Wrangling, Churn Analysis, Basic Statistical Analysis
- **Programming & Tools:** Python (Pandas, NumPy – Data Analysis), Git/GitHub (Basic)

PROJECTS:

Telecom Customer Churn Analysis

Tools: Power BI · Microsoft Excel · DAX · Power Query · Pivot Tables

- **Data Transformation:** Executed complex ETL processes on 7,043 customer records using Power Query to clean, handle missing values, and structure the data for analysis.
- **Analysis & Insights:** Developed DAX measures to calculate Churn Rate and Revenue KPIs. Identified key drivers such as contract type, tenure, and service usage. Discovered that month-to-month contracts churn ~4x more than long-term contracts and that competitor offers contribute to ~45% of churn cases.
- **Visualization & Impact:** Built an interactive Power BI dashboard with dynamic filters to track high-risk segments, enabling data-driven decision-making to improve customer retention strategies.

GitHub: [Dashboards](#)

Power BI Interactive: [Live Interactive Dashboard](#)

Restaurant Sales Dashboard

Tools: Microsoft Excel · Pivot Tables · Data Visualization

- **Data Preparation:** Cleaned and normalized 500+ orders across 8 months, ensuring data integrity and consistency for multi-period analysis.
- **Analysis & Insights:** Identified key revenue patterns, discovering that 47% of revenue is generated during morning hours and weekday sales are 2.7x higher than weekends; highlighted opportunities for optimized staffing and inventory planning.
- **Visualization & Impact:** Built an interactive Excel dashboard with Slicers and KPI metrics to track \$20K+ in revenue and an 80% profit margin, enabling data-driven operational decisions and performance monitoring.

GitHub: [Dashboard](#)

EDUCATION:

Bachelor’s Degree in Computer Science | Modern Academy 2023 – Present(Graduated 2027)

TRAINING:

Khalda Petroleum Company — IT Department Field Training (Jul 2025 · 1 week)

- **Operational Excellence:** Awarded a grade of "Excellent" for outstanding performance and successfully bridging academic theories with practical industrial applications.
- **Enterprise IT Exposure:** Gained hands-on insight into large-scale IT infrastructure and data flow systems within a major Oil & Gas corporate environment.
- **Data Integrity & Flow:** Studied internal processes for maintaining data reliability and system architecture, ensuring high standards of operational efficiency.
- **Business Intelligence Awareness:** Observed how critical data supports daily operational decisions and cross-departmental workflows in a multinational setting.

Egyptian General Petroleum Corporation (EGPC) — IT Department Field Training (Aug 2025 · 2 weeks)

- **Enterprise Data Studies:** Attended walkthroughs of national-level database workflows and enterprise IT management processes within the Ministry of Petroleum sector.
- **Integration Knowledge:** Learned about system integration methods and the role of IT in supporting organizational decision-making at scale.
- **Technical Briefing:** Received briefings on data management best practices and how IT infrastructure monitors large-scale system performance.

CERTIFICATIONS

- Data Analytics Essentials – Cisco
- Introduction to Data Analysis – Satr
- Power BI – Satr
- Python – Mahara-Tech (ITI)
- SQL – Satr
- Microsoft Power BI & Microsoft Fabric – Udemy
- Excel Spreadsheets – Edraak

LANGUAGES

- Arabic: Native
- English: Upper-Intermediate (B1+)