

Omar Mahmoud AbdElpaq

Data Analyst | Business Intelligence Analyst

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SUMMARY

Undergraduate Data Analyst who turns raw, inconsistent datasets into decision-ready dashboards and reports using Power BI, Excel, SQL, and Python. Builds ETL workflows, cleans and models data (DAX, Power Query), and analyzes KPIs across operations, finance, retail, HR, and healthcare data to surface business insights. Combines hands-on BI development with clear data storytelling for non-technical stakeholders.

EDUCATION

Menoufia National University — Faculty of Computers and Artificial Intelligence 2024 – Present
B.Sc. (In Progress), Internet of Things & Big Data Analytics | Sadat City, Menofia, Egypt

TECHNICAL SKILLS

Data Analysis: Excel, Power BI, SQL, Python, Tableau
Data Preparation: Power Query, Pandas, Data Cleaning, Data Transformation, ETL
BI & Data Modeling: DAX, Power Pivot, Data Modeling, KPI Design, Dashboard Development
Databases: PostgreSQL, SQL Server (Basic)
Python / Analytics Libraries: Pandas, NumPy, Scikit-learn, Matplotlib
Tools: Git, GitHub

EXPERIENCE

Freelance Data Analyst 2024 – Present
Independent

- Delivered data cleaning, preparation, and KPI analysis for independent clients, transforming raw, inconsistent datasets into decision-ready reporting.
- Built BI dashboards in Power BI and Excel (Power Query, Power Pivot, DAX) to track performance metrics and support business decisions.
- Used SQL (PostgreSQL) and Python (Pandas) to structure, clean, and analyze datasets for reporting and ETL workflows.
- Completed engagements spanning workforce analytics, sales performance BI, and multi-industry KPI dashboards, delivered under client confidentiality.

IT and Software Development 3 Months
Neom Professional Training

- Supported general IT and software development activities as part of a cross-functional team, contributing to day-to-day technical operations.
- Assisted with software-related workflows and technical tasks, gaining hands-on exposure to maintaining reliable systems and processes.

PROJECTS

EZZ Steel — Production Analytics
Tools: Power BI, Power Query, DAX

- Compared planned vs. actual production across plants, furnaces, and shifts to surface performance gaps.
- Identified a 5,741-unit shortfall against planned production, highlighting bottlenecks for operations review.
- Built an interactive Power BI dashboard with plant, furnace, and shift-level drill-down.

Netflix — ETL & Analytics

Tools: Python, PostgreSQL, SQL, Power BI

- Cleaned and structured a raw content catalog of approximately 6,000 movies and 3,000 TV shows using Python and SQL.
- Built an ETL pipeline into PostgreSQL to support downstream analysis.
- Analyzed content mix and ratings trends, identifying a peak in content additions around 2019, visualized in Power BI.

EZZ Steel — Financial Analysis

Tools: Power BI, Power Query, DAX

- Tracked revenue growth from approximately 39K to 141K over the analysis period using Power BI and DAX measures.
- Calculated and reported a 2023 net profit margin of 6.76%.
- Built a financial performance dashboard covering revenue and profitability trends.

Transformer Company — Retail Analytics

Tools: Excel

- Analyzed approximately \$2.30M in total sales and a 12.46% profit margin across regions and product categories.
- Identified the West region as the top contributor at 32% of total sales.
- Built an Excel-based dashboard to surface regional and category-level performance drivers.

HR Workforce & Performance Analytics

Tools: Excel

- Consolidated headcount, turnover, and performance-rating data for 311 employees into a single Excel dashboard.
- Found that 78.1% of employees were rated "Fully Meets" expectations, supporting HR performance reviews.

Patient No-Show Analysis

Tools: Excel

- Analyzed attendance patterns across 108,978 appointments to understand drivers of missed visits.
- Built an Excel dashboard to help identify no-show trends for healthcare operations planning.

TRAINING & CERTIFICATIONS

Data Analytics Summer Training — NTI × ITIDA

31 August – 25 September 2025 | 120 hours (90 technical + 30 freelancing) | Final score: 92.5%

Digital Egypt Pioneers Initiative (DEPI), Round 5

Additional specialization — Data Engineering, Microsoft Data Engineer Track

- Fundamentals of Deep Learning — NVIDIA
- AWS AI Practitioner Challenge
- HCIA – Artificial Intelligence — Huawei
- Generative AI — CIB Summer Internship 2026

ADDITIONAL / ACHIEVEMENTS

- AI Ambassadors Program — NTI, 2nd Cohort (Engineers for Sustainable Egypt Initiative)
- ICDEL — Digital Transformation Certificate
- Digitopia Program — Certificate of Participation
- Innovation Camp — INJAZ Egypt