MARAM HAMDEY

Data Analyst
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PROFESSIONAL SUMMARY

Detail-oriented Data Analyst with hands-on experience across the full analysis workflow: cleaning raw data, querying it in SQL (PostgreSQL), analyzing it in Python (pandas), and presenting findings in Power BI and Tableau dashboards. Completed end-to-end projects covering sales, healthcare, public health, and energy data, each ending in clear, actionable recommendations. Seeking a junior data analyst role in a data-driven team.

SKILLS

Data Analysis & Reporting: Exploratory data analysis, data cleaning, data modelling, insight extraction, KPI reporting.
Programming: Python (pandas, NumPy, matplotlib, seaborn, requests, SQLAlchemy), Jupyter Notebook.
Databases & SQL: SQL, PostgreSQL, joins, CTEs, window functions, subqueries, views, constraints, schema design, ETL
Visualization: Power BI, Tableau, Excel charts, dashboard design, data storytelling.
Spreadsheets: Microsoft Excel, Power Query, Google Sheets, DAX.
Statistics: Descriptive statistics, correlation, outlier detection (IQR).
Soft Skills: communication, presentation, attention to detail.

EXPERIENCE

Data Analysis Intern Digital Egypt Pioneers Initiative (DEPI)

- Completed hands-on data analysis training and projects using Python, SQL (PostgreSQL), Power BI and Tableau
- Delivered analysis projects on healthcare appointments, retail sales, energy consumption, and COVID-19 data, from data cleaning to recommendations

Data Analysis Intern DecodeLab

- Analysed 1,200 sales orders using SQL and built a Power BI dashboard with a written findings report

Data Analysis Intern Rawaj HCM

Sales Analysis Project

- Conducted an end-to-end sales analysis using real business data and built an interactive Power BI dashboard (Overview, Insights, Proposals) covering net revenue, profit margins, regional performance, channels and product categories
- Identified 6 key business insights, including cost pressure (COGS about 87% of revenue), £108K return losses driven by Electronics, and dependency on seasonal promotions
- Developed 5 actionable proposals: pricing strategy, inventory audit system, targeted promotions, corporate outreach expansion and in-store performance optimization

PROJECTS

Medical Appointment No-Show Analysis Python, pandas, seaborn

- Cleaned 110,527 appointment records (removed illogical ages and dates, fixed column names) and tested 7 hypotheses on a 20.2% no-show rate
- Found waiting time was the strongest driver: no-shows rose from 4.6% for same-day bookings to 33% for 31+ days; recommended earlier slots and multiple reminders

Superstore Sales Analysis Python, pandas, matplotlib

- Built a reusable Data-cleaner class (type conversion, text cleaning, IQR outlier detection) and reduced memory use by 45.9% on 9,994 orders
- Analyzed $2.30M in sales and found heavy discounts reduce profit; recommended discount limits by product category

COVID-19 API to PostgreSQL Pipeline Python, PostgreSQL, SQL

- Pulled live data for 229 countries from a public API, cleaned it in pandas and loaded it into PostgreSQL with dimension and fact views
- Answered 7 business questions with joins, CTEs and window functions, and built a continent-level metrics view

Energy Consumption Analysis SQL, PostgreSQL

- Built a relational database from 3 Excel sheets (528 monthly records, 11 buildings, 5 cities) with primary and foreign keys
- Unpivoted data with UNION ALL and joined consumption to yearly rates to find the highest-cost buildings, cities and energy types

University Database Design & ETL SQL, Python, PostgreSQL

- Designed a 5-table schema with CHECK, primary and foreign key constraints and cleaned source data in pandas to enforce referential integrity before loading

NovaMart Sales Analysis Dashboard Power BI, DAX

- Designed a 3-page Power BI report (Overview, Insights, Proposals) analysing 3 regions, 2 sales channels and 3 product categories
- Uncovered profitability drivers and return loss patterns and presented structured business recommendations

DecodeLab Sales Analysis SQL, Power BI

- Explored 1,200 orders with SQL queries and built an interactive Power BI dashboard supported by a findings report

Car Sales Analysis Tableau, PostgreSQL

- Built a PostgreSQL database of 10,000 sales and a Tableau dashboard comparing makes, states and dealerships

Cafe Sales Data Cleaning Excel, Power Query

- Cleaned 10,000 messy transactions in 8 documented Power Query steps without deleting rows, preserving data integrity

EDUCATION

Bachelor of MTI University, Egypt Sep 2018 – Jun 2023

COURSES & CERTIFICATIONS

Foundations: Data, Data, Everywhere	Google | Coursera
SQL Basics	Codecademy & W3Schools
Excel Tutorial	365DataScience
Introduction to DAX	365DataScience
Power BI	365DataScience
Communication & Presentation Skills for Analysts	365DataScience
Descriptive Statistics	Khan Academy