

Mohab Ahmed

Junior Data Analyst

Obour, Egypt | mohab.ahmed.ntss@gmail.com | +20 103 307 9606 | www.linkedin.com/in/mohabhigazy

PROFESSIONAL SUMMARY

Motivated high school student with hands-on internship experience as a Data Analyst at Semicolon Codes, where I contributed to real-world data projects involving data quality assurance, exploratory analysis, and business reporting. Passionate about transforming raw data into meaningful insights that drive informed decisions. Eager to grow and apply my analytical skills in a Junior Data Analyst or Data Analyst Intern role

WORK EXPERIENCE

Data Analyst Intern

Semicolon Codes, Cairo, Remote

Dec 2025 – Jan 2026

- **Analyzed 1,000 transactional records** across a multi-sheet coffee sales dataset (orders, customers, products) to uncover revenue trends by coffee type, roast, and customer segment
- **Ensured data integrity and quality** by standardizing customer fields, handling missing email entries, and validating product-order relationships across linked tables before analysis
- **Performed exploratory data analysis** on sales patterns spanning 2019–2022, identifying quarterly performance trends and top-performing SKUs (Liberica and Excelsa leading by revenue)
- **Built pivot-table summaries and a KPI dashboard** consolidating Total Sales (\$45,134), Total Customers (1,000), Total Orders, and Product Count (48) into a structured executive view

Projects

MB1 Company Sales Analysis | Excel, Pivot Tables, Power Pivot, DAX

- **Built a star schema data model** connecting 5 interrelated tables (Orders, Products, Customers, Order Details, Calendar) to enable multidimensional analysis
- **Performed data cleaning and transformation** including fixing negative prices, handling null values, standardizing date types, and normalizing categorical fields
- **Engineered DAX calculated columns** for Revenue, Discount Amount, Net Sales, and Profit — scoped to delivered orders only for analytical accuracy
- **Analyzed \$629.6M in net sales and \$86.6M total profit**, revealing Electronics as **the dominant category** (64% of profit) and Alexandria as **the top city** (\$30M)
- **Designed an interactive Excel dashboard** with dynamic slicers (Date, City, Category), KPI cards, and 4 chart types covering sales trends, product performance, and geographic distribution

Store Database – SQL Analysis Project | Microsoft SQL Server

- **Designed and implemented a normalized relational database** (4 tables: Customers, Products, Orders, OrderDetails) with proper primary and foreign key constraints
 - **Wrote SQL queries** using **JOINS**, **aggregations**, and **filters** to retrieve customer data, analyze product pricing, and calculate total revenue across transactions
 - **Performed product sales performance analysis** by aggregating quantities sold per product using GROUP BY and INNER JOIN across multiple tables
-

AdventureWorks Sales & Product Analytics | Power BI, Power Query, DAX

- **Imported and modeled multi-table sales data in Power BI**, building relationships across products, orders, customers, and time dimensions using a structured data model
 - **Cleaned and transformed raw data using Power Query**, resolving inconsistencies before analysis
 - **Created DAX measures** to calculate Revenue, Profit, and Order trends across products, cities, and time periods
 - **Identified peak sales months** (Jan, May, Jun, Dec) and **flagged underperforming periods** (Feb, Sep, Nov) through time series analysis to support marketing planning
 - **Delivered geospatial and product-level insights**, revealing Components and Clothing as top performers and flagging 10 low-profit products for strategic review
 - **Designed an interactive Power BI dashboard** combining time series, geospatial maps, and profitability charts for executive decision-making
-

ShopNile — End-to-End Data Analysis Project | Python, Pandas, Streamlit, Plotly

- **Built a full data pipeline from raw messy data to an interactive dashboard**, covering 4 datasets (500 customers, 120 products, 3,000 orders, 3,050 payments)
 - **Applied comprehensive data cleaning** including deduplication, null handling, outlier capping, type correction, and text normalization across all datasets using Pandas
 - **Designed a star schema data model** linking Orders as the fact table to Customers, Products, and Payments dimension tables
 - **Developed an interactive Streamlit dashboard with Plotly** charts covering revenue trends, city performance, top products, and payment method breakdown
 - **Deployed the dashboard publicly on Streamlit Cloud**, demonstrating end-to-end delivery from raw data to a live, shareable web application
-

EDUCATION

Ebda'a National School for Technical Sciences
High School, Cairo-Badr, Data Analysis Engineering

Present

SKILLS

- Data Analysis, Excel, Power BI, SQL, Python (re, pandas, NumPy, Matplotlib, Seaborn, sklearn), Tableau, Looker Studio
- Analytical Skills, Data Cleaning, Data Transformation, Data Preprocessing, Data Modeling, Data Visualization, Report Design, Presentation Skills, Communication Skills, Team Work

CERTIFICATIONS

- | | |
|---|-------------|
| • Excel Fundamentals – DataCamp | Dec 2025 |
| • Data Analysis with Excel Power Tools - DataCamp | Jan 2026 |
| • Data Analyst in Power BI – DataCamp | Apr 2026 |
| • IBM Data Analyst Professional Certificate – Coursera & IBM | In Progress |