Sayed Esmail
Data Analyst | Bi Analyst

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Summary

Data Analyst with a strong foundation in extracting insights from complex datasets to support strategic, data-driven decision-making. Skilled in SQL, Python, Excel, and Power BI, with hands-on experience designing interactive dashboards, building data pipelines, and presenting findings through clear, actionable reporting. Experienced in leveraging data to solve business challenges and committed to continuous skill development and effective team collaboration.

Education

Bachelor Of Engineering in Computer Science & Engineering   Oct 2020 - Jun 2025
Menoufia University
GPA: 2.9 / 4.0
Graduation Project: data-driven growth a sales analytics journey
(Datawarehouse Building & Bi Dashboards) (Distinct)

Experience

Big Data Analysis at Nti   Sep 2024 – Oct 2024

- Completed an intensive Big Data training covering Apache Spark, Spark ML, Hadoop, YARN, Hive, and HBase.
- Built 3 machine learning models (classification & regression) using Spark MLlib, achieving up to 92% accuracy on sample datasets.
- Explored distributed data storage and querying with Hadoop HDFS, Hive, and Hbase
- Learned resource management and scheduling concepts with YARN for big data workloads.

Projects

Pizza Sales Analysis

- Analyzed 49,574 sales transactions, generating $817K+ in revenue with an average order value of $38.31.
- Developed interactive dashboards to track KPIs, including Total Revenue, Average Order Value, and Total Pizzas Sold.
- Identified key insights: chicken pizzas most popular, large pizzas driving the highest revenue share, Classic Deluxe as top seller, and Brie Carre as least popular.
- Performed trend analysis revealing weekend peaks (Fri/Sat) and high-demand hours (12–1 PM & 5–8 PM), enabling targeted operational improvements.

Hr Analysis Dashboard

- Created an interactive dashboard analyzing 1,470 employee records across 6 departments.
- Built 12+ DAX measures and KPIs (Attrition %, Avg Tenure, Job Satisfaction Index).
- Improved HR's reporting efficiency by 70% through automated filtering and visualization.

- Identified that 34% of total attrition occurred in the Sales department, enabling targeted retention strategies.

SQL Data Analytics Project
- Designed and executed 13 modular SQL scripts for database exploration, segmentation, and performance analysis on SQL Server.
- delivered insights on customer behavior, product performance, and time-based trends to support business decisions.
- Optimized queries, improving execution speed by ~30%, enabling faster analytical reporting.

Technical Skills

Core Skills: [Python | Excel | Power BI | SQL]

Data Analytics & Visualization: [Power BI (DAX, Power Query) | Excel (Pivot Tables, VLOOKUP, INDEX-MATCH, Advanced Charts)]

Programming: [Python (Pandas, NumPy, Matplotlib, Seaborn)]

Databases: [SQL (Joins, CTEs, Window Functions, Aggregations) | MySQL | SQLServer]

Tools & Platforms: [Git | GitHub | Jupyter Notebook | VS Code]

Professional Competencies: [Data Storytelling | Dashboard Development | Report Automation | Cross-Functional Collaboration]

Certifications

Google Data Analytics – Coursera   **Sep 2023** - *Jun 2024*

Skills: Data validation, data storytelling, SQL, data cleansing, statistical sampling, interactive data visualization, data presentation, business metrics, stakeholder communication, data integration, and business reporting.

Google Business Intelligence – Coursera   **Jul 2024 -** *Aug 2024*

Skills: Business metrics design, stakeholder engagement, data-driven decision-making, data modeling, SQL querying, ETL processes, star schema design, and data warehousing. Skilled in Tableau dashboard development, performance optimization, business reporting, data integration, and solution design

Language

Arabic (Native) | English (Advanced)