Mohamed Mosaad
Data Analyst

Contact

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Professional Summary

Computer Science graduate with a solid foundation in Data Analysis and Business Intelligence. Demonstrated ability to transform complex datasets into actionable insights that drive strategic decisions. Proficient in Python, SQL, Excel, and Power BI, with hands-on experience in ERP systems and effective cross-functional collaboration. Known for bridging the gap between data and business goals through clear reporting and analytical thinking.

Work Experience

Data Analyst | Feb 2025 - Present
Elshawwa Trading Group

- Gathered business requirements for internal dashboards and reporting systems.
- Collaborated with sales and operations teams to optimize internal reporting workflows.
- Identified bottlenecks in data entry using ERP systems and suggested process improvements.
- Documented business logic for automated sales reporting scripts.

Microsoft Machine Learning Engineer Internship
Next Academy

- Mastered core ML concepts including statistics, linear algebra, and data science with Python
- Built and deployed ML pipelines; explored MLOps with MLflow and Hugging Face
- Completed Azure AI certifications; gained hands-on experience with GANs, NLP, and prompt engineering

Academic History

Mansoura University | 2020-2024
Bachelor of Science Computer science

- Grade : Very Good
- GPA : 3.1
- Graduation Project : Excellent

Courses and Certification

Data Analysis | Dec 2024 - Feb 2025
Creativa Innovation Hubs - NTI

- Mastered SQL for data manipulation and querying.
- Developed Python proficiency for data analysis.
- Excel expertise for advanced data handling.
- Learned Power BI and Tableau for data visualization.
- Data modeling concepts & Data warehouse concept

Associate Data Engineer SQL- Python
DataCamp

- Built data pipelines and practiced ETL techniques using real-world datasets
- Developed strong foundational skills in SQL and Python for data engineering workflows.

Projects

Sales Data Analysis | Excel, Power BI

- Cleaned and transformed raw sales data using Power Query.
- Built dynamic Power BI dashboards to visualize KPIs, track trends, and support decision-making.
- Delivered actionable insights for improving sales performance and operational efficiency.

Mall Customer Segmentation | Python, scikit-learn

- Performed PCA and K-Means clustering on mall customer data to identify market segments.
- Enhanced customer targeting by uncovering behavioral patterns.
- Improving marketing insights and evaluating results using silhouette scores.

Healthcare Financial Performance Analysis | Excel, Power Query, Power BI

- Analyzed financial performance using data from 7 Excel files including visits, procedures, and insurance.
- Cleaned and transformed data using Power Query, then built a data model to support insightful analysis
- Created Power BI dashboards to visualize billing by city, state, diagnosis, procedure, and department.

Interview Software | Python, Flask, GPT API

- Built a simulated interview tool using Flask and GPT API with speech-to-text and TTS capabilities to generate questions, analyze answers, and aid interview preparation.

Technical Skills

Programming Languages: Python, SQL,C++

Developer Tools: Git & Github, Azure Platform, VS Code

Libraries: pandas, NumPy, Matplotlib, scikit-learn, Beautiful Soup , SQLALCHEMY

Concepts: ETL, Data Warehousing, SDLC, Agile

Visualization Tools: Power BI , Tableau

Tools: Microsoft Excel,ClickUp, Notion,Linear

Soft Skills : Strong research and analytical thinking, communication and teamwork