Mohamed Mosaad

Data Scientist/Analyst

Egypt, Cairo | +20 1069781595 | muhamed.mosadd@gmail.com | LinkedIn | GitHub

EDUCATION

Mansoura University   Mansoura, Egypt
Bachelor in Computer Science, Grade: Very Good   *July 2020 – July 2024*

COURSES

Data Analysis: Skills for the Freelance Professional - NTI   December 2024 – Present
Creativa Innovation Hubs
- 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.

Microsoft Machine Learning Engineer - DEPI   October 2024 – April 2024
Next Academy
- Statistics and Linear Algebra Basics
- Data Science with Python.
- Implemented machine learning models and pipelines.
- Azure AI Fundamentals and Azure AI Engineer Associate.
- Gained experience with MLOps tools, MLflow, and Hugging Face.
- Explored GANs, NLP models, and prompt engineering.

PROJECTS

Interview Software | *Python, Flask, GPT API*   GitHub
- Designed software to facilitate interview preparation.
- Integrated OpenAI's GPT model for generating questions and analyzing responses.
- Implemented APIs for speech recognition and text-to-speech functionality.
- Future Work: Add personalized feedback and multi-language support.

Mall Customer Segmentation | *Python, scikit-learn*   GitHub
- Implemented PCA for dimensionality reduction and clustering algorithms.
- Analyzed customer data to identify distinct segments and improve marketing strategies.
- Evaluated clustering quality using silhouette scores.

Sales Data Analysis | *Excel , Power BI*   GitHub
- Analyzed business operations using diverse datasets, including order details, shipping costs, customer information, and returns, to deliver actionable insights.
- Leveraged Power Query for data cleaning and transformation, including duplicate removal and table formatting.
- Performed data modeling to organize and structure data for effective analysis.
- Created pivot tables and interactive dashboards to visualize key performance indicators (KPIs) and support data-driven decision-making.
- Delivered comprehensive visualizations that enhanced business decision-making processes.

TECHNICAL SKILLS

Programming Languages: Python, C/C++, SQL, JavaScript, HTML/CSS , DAX
Frameworks: TensorFlow, LangChain, Flask, Hugging Face, FastAPI
Developer Tools: Git, Azure Platform, VS Code, Visual Studio
Libraries: pandas, NumPy, Matplotlib, scikit-learn,Beautiful Soup
Visualization Tools: Power BI, Tableau