

Mahmoud Hamed Namnam

6-October, Egypt

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SUMMARY

A data scientist proficient in Python, SQL, data visualization, and statistical analysis, with a focus on creating innovative data-driven solutions. Passionate about leveraging machine learning and analytical techniques to drive insights and business value.

EDUCATION

Kafrelsheikh University, Faculty of Computers and Information Technology GPA: 3.2

September. 2021 - 2025

Bachelor of Computer Science

PROJECTS

Predicting NYC Taxi Trip Duration! | EDA - ML [Github Repo.](#)

August 2024

- Developed a predictive model using Polynomial Linear Regression, Ridge Regression, and Lasso Regression.
- Implemented preprocessing and hyperparameter tuning with GridSearchCV for high accuracy.
- Utilized Python, Pandas, NumPy, and Scikit-learn.

Stock Price Prediction Model | LSTM, Time Series Analysis, Dashboard Visualization [Github Repo.](#)

November 2024

- Developed a system leveraging LSTM neural networks to predict stock prices for multiple manufacturers with high accuracy.
- Trained custom LSTM models with flexible hidden layers and dropout mechanisms to enhance generalization.
- Created an interactive Streamlit-based dashboard for visualizing stock trends, moving averages, daily returns, and high-low spreads using Plotly.

SuperStore Analysis | EDA - ML [Github Repo.](#)

April 2024

- Conducted analysis of sales, profit, customer behavior, and product performance using Python libraries and machine learning techniques.
- Analyzed profit margins and utilized machine learning for customer segmentation.
- Enhanced skills in data analysis, statistical interpretation, and machine learning applications.

Power BI Sales Dashboard | EDA - BI [Github Repo.](#)

August 2024

- Conducted sales analysis for Olist using Power BI and SQL, providing insights into customer behavior, product performance, and sales trends.
- Analyzed key metrics such as total sales, monthly sales, order status, and category-specific performance.
- Enhanced data quality through thorough preparation, including handling duplicates and null values, and translating product categories.

ACHIEVEMENTS AND RELEVANT EXPERIENCE

- Participated in the qualification contest Day 2 at ECPC 2023. [Certificate.](#)
- Solved over 550 problems on LeetCode, showcasing strong PS skills and proficiency in various algorithms and data structures. LeetCode profile: [MahmoudNamNam.](#)
- completed a 60-hour training at Orange Camp focused on key topics such as DB, OOP, SOLID principles, design patterns, and unit testing. [Certificate.](#)
- Completed a 45-hour training course and developed a final project for a potential startup as a project manager in the InnovEgypt program. [Certificate.](#)
- Completed summer training at ITI in the BI track.
- Contributed technically as a member of IEEE with AIET.
- Participated in the Data Science Department of MSLC with EELU.

TECHNICAL SKILLS

Programming Languages: Python, C++, Java, JavaScript (JS)

Technologies/Frameworks:

- Data Analysis and Visualization: Python (Pandas, NumPy, Matplotlib, Seaborn, Plotly), Power BI, Tableau
- Database Management: SQL (MySQL, SQLite), NoSQL (MongoDB)
- Machine Learning: sklearn, PyTorch
- Deep Learning: Neural Networks, CNNs, and RNNs
- Computer Vision: OpenCV, Image Processing
- Web Development: JS, Bootstrap
- Cloud Computing: Basic knowledge of cloud services (AWS, Microsoft Azure)
- Version Control: Git, GitHub

CERTIFIED COURSES

- Google Data Analytics (JAN 2024): [Certificate](#).
- Data Analytics with Python (DEC 2023): [Certificate](#).
- Data Analyst Associate Certificate (MAY 2024): [Certificate](#).
- Python (NOV 2023): [Certificate](#).
- Mastering Data Structures and Algorithms (JUNE 2023): [Certificate](#).
- Innov Egypt Program (OCT 2022): [Certificate](#).