

# 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

**MultiChexNet** | *Medical Imaging - Deep Learning* [GitHub Repo](#).

**December 2024**

- Developed MultiChexNet, a model that classifies, detects, and segments chest diseases in one forward propagation.
- Applied the MultiNet architecture to speed up inference time and improve accuracy compared to individual models.
- Utilized Python, TensorFlow, Keras, and medical imaging datasets for training and evaluation.

**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.

**FC Barcelona Match Report Dashboard** | *Web Scraping - Data Visualization - MongoDB* [Github Repo](#).

**December 2024**

- Developed an interactive web application using Streamlit for analyzing and visualizing FC Barcelona's match data.
- Built a web scraper with Selenium and BeautifulSoup to collect match data from WhoScored and store it in MongoDB.
- Designed a streamlined dashboard for real-time match analysis and visualization, enhancing user experience.
- Configured and deployed MongoDB for efficient data storage and retrieval of match, player, and event data.

## ACHIEVEMENTS AND RELEVANT EXPERIENCE

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- **LeetCode [Profile](#)** (Ongoing): Solved 650+ algorithmic problems, showcasing strong problem-solving skills and data structures expertise.
- **Machine Learning Engineer Intern at Homain** (November 2024–Present): Developed and optimized AI models, contributing to real-world machine learning projects.
- **MSLC Data Science at EELU** (February 2025-Present): Conducted data science projects, applying machine learning techniques to real-world problems. Additionally, I mentored and taught data science concepts to peers, enhancing both theoretical and practical understanding.
- **Business Intelligence Training at ITI** (July 2024–Oct 2023): Gained hands-on experience in SQL, Power BI, and Tableau for data analytics and visualization.
- **ECPC 2023 Qualification Contest (Day 2)** (August 2023): Successfully participated in the prestigious programming competition. [Certificate](#).
- **IEEE AIET Contribution** (August 2022-July 2023): Collaborated on software and technology projects within IEEE, enhancing teamwork and technical skills.
- **InnovEgypt Program** (October 2022): Led a startup project and completed 45 hours of training in innovation and entrepreneurship. [Certificate](#).

## TECHNICAL SKILLS

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

**Technologies/Frameworks:**

- **Data Analysis and Visualization:** Python (Pandas, NumPy, Seaborn, Plotly), Power BI, Streamlit, Dash
- **Database Management:** SQL (MySQL, PostgreSQL, SQLite), NoSQL (MongoDB)
- **Machine Learning:** scikit-learn, XGBoost, LightGBM, CatBoost
- **Deep Learning:** Neural Networks (ANNs, CNNs, RNNs, LSTMs, Transformers), Keras, TensorFlow, PyTorch
- **Computer Vision:** OpenCV, Image Processing, YOLO, Object Detection, Image Classification
- **Natural Language Processing (NLP):** NLTK, spaCy, Hugging Face Transformers, BERT, GPT-based models
- **MLOps and Model Deployment:** Docker, MLflow, ZenML, DVC, Airflow, FastAPI, Flask, TensorFlow Serving
- **Cloud Computing Big Data:** AWS (S3, EC2, Lambda), Microsoft Azure, Google Cloud (GCP)
- **Version Control Development Tools:** Git, GitHub, GitLab, CI/CD Pipelines, Jupyter Notebook, VS Code, PyCharm

## CERTIFIED COURSES

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- **Machine Learning Stanford University & DeepLearning.AI** (February 2025): [Certificate](#).
- **Red Hat Certified System Administrator (RHCSA)** (August 2024): [Certificate](#).
- **Huawei HCIA-AI** (August 2024): [Certificate](#).
- **Google Data Analytics** (January 2024): [Certificate](#).
- **Data Analytics with Python** (December 2023): [Certificate](#).
- **Data Analyst Associate Certificate** (May 2024): [Certificate](#).
- **Mastering Data Structures and Algorithms** (June 2023): [Certificate](#).
- **Innov Egypt Program** (October 2022): [Certificate](#).
- **Orange Camp** (August 2023): [Certificate](#).