

# Mostafa Farag Abdelwahed

Data Scientist | Machine Learning Engineer

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## Education

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Bachelor student computer science department, faculty of information technology, Misr university for science and technology

2022 – present

## Technical Skills

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**Programming language:** Python | C++ | PHP

**Frameworks Libraries:** Pandas | Numpy | Matplotlib | Seaborn | Plotly | Bs4 | Requests | Steamlit | NLTK | Laravel | Bootstrap | Scikit-learn |

**Tools:** Git | Github

**Concepts:** Software Engineering | OOP | Data Structure | Linear Algebra | Data Engineering | MYSQL | Machine Learning | Basic Deep Learning | Basics Natural language processing

## Projects

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### APPLE-Stock-Price-Prediction [🔗](#)

- 5-year analysis of Apple Inc.'s stock data, incorporating advanced machine learning techniques to predict trends and provide actionable insights.

### Student Mental Health Predictor [🔗](#)

- A machine learning project aimed at classifying student mental health status to support early intervention and well-being.

### Heart-Failure-Risk-Prediction [🔗](#)

- A machine learning project predicting the 10-year risk of heart failure using factors like blood pressure, age, and diabetes to aid early intervention

### Breast-Cancer-Classification [🔗](#)

- A machine learning medical diagnostics, focusing on breast cancer detection while emphasizing feature engineering and model interpretability for clinical use.

### Protease-Inhibitors-Bioactivity-Prediction [🔗](#)

- A machine learning project focusing on proteases, leveraging their therapeutic importance in diseases like coronavirus, with ChEMBL data as its foundation.

### Medical-insurance-Predictions [🔗](#)

- A machine learning project analyzing factors influencing healthcare costs to support fair policy design and informed decision-making

### Trigram-Predictive-Model [🔗](#)

- A Python-based trigram model utilizing collections and math for word prediction and perplexity calculations, featuring autocomplete functionality and a user-friendly Streamlit interface

## Certificates

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- Artificial intelligence and Data Science | Optical Soft
- Machine Learning for Quant Finance and Algorithmic Trading | Udemy
- AI Development Bootcamp and Certification | Udemy