

# Ahmed Elhfnawi

ML developer

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## Summary

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AI/ML Engineer with a strong foundation in predictive modeling, Python programming, and data visualization. Skilled at building intelligent systems that turn complex data into meaningful insights. Passionate about solving real-world problems through machine learning, from model development to deployment. Eager to contribute to innovative projects that blend AI with impact.

## Experience

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Next Era hackathon instructor : Feb 2025 - Mar 2025

- **Content** : Intro to Ai | MI | DI To creating Front end by The help of Ai
- Delivered sessions on AI, Machine Learning, and Deep Learning concepts in the event time ( was 1m )
- Mentored participants building AI-powered front-end apps.

## Internships

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Elevvo Internship : AI & ML projects Jul 2025 - Aug 2025

- **Tittle** : ML developer
- Supervised Learning | Unsupervised Learning | Recommendation Systems | Deep Learning

## Projects

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Disease Classification System (Graduation Project)

- Built a CNN model achieving 98% accuracy using TensorFlow.
- Integrated with a chatbot to simulate doctor-patient interaction.
- specialised on chest , eye & brain disease

Physiological Chatbot

- Developed an AI chatbot leveraging NLP to assess users' emotional states from text input.
- Delivered personalized advice and empathetic responses to support mental wellness. .
- <https://github.com/Aelhfnawi/physiological-chatbot>

## Training & Certifications

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National Telecommunication Institute (NTI) : Python for Data Analysis Aug 2024 - Oct 2024

- **Coursework**: Data Analysis | Time Series | Pandas | Numpy | Matplotlib
- **Grade**: Excellent

MASA Academy :Front-end Expert ( lvl 2 ) Aug 2024 - Oct 2024

- **Coursework**: Dart | UI expert ( Figma ) | UX | Flutter
- **Grade**: Excellent

MASA Academy :Front-end intro ( lvl 1 ) Aug 2023 - Oct 2023

- **Coursework**: Dart | UI basics ( Figma ) | Flutter
- **Grade**: Excellent

- **Coursework:** Artificial Intelligence (AI) | Machine learning | Deep learning | Project Management
- **Grade:** Excellent

## Education

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Faculty of Computer Science , Thebes academy

- Bachelor of Computer Science

Sep 2021 – May 2025

## Skills and Tools

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### Languages

- **Arabic** – Native
- **English** – Excellent

### Programming Languages

- Python, C++ , Java , C #

### Machine Learning & AI

- **Supervised Learning:** Linear & Logistic Regression, SVM, Decision Trees, Neural Networks
- **Unsupervised Learning:** K-means, Clustering techniques
- **Deep Learning:** CNN, DNN, Generative AI
- **ML Tools/Frameworks:** Scikit-learn, TensorFlow, MLflow

### Data Analysis & Visualization

- **Libraries/Tools:** Pandas, NumPy, Matplotlib
- **Skills:** Data Preprocessing, Feature Engineering, Statistical Analysis, Text Analytics

### Project & Business Skills

- Product Vision, Requirements Analysis, Project Planning, Project Mentoring, Operation Management

### Soft Skills

- Critical Thinking, Decision Making, Communication, Teamwork, Leadership, Presentation, Problem Solving, Research, Time Management, Emotional Intelligence