

# Ahmed Magdy Morad

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## PROFILE

I am a Computer Science graduate from the Faculty of Computers and Information, with a strong passion for Artificial Intelligence and Data Science. Specialized in Machine Learning, I have practical experience in building predictive models, data analysis, and optimizing algorithms. My goal is to develop AI-powered solutions for big data analytics and predictive insights.

## EDUCATION

### Bachelor's in Computer Science

Misr Higher Institute For Commerce & Computers

10/2021 – 06/2025

Mansoura, Dakahlia

## PROFESSIONAL SKILLS

### Programming Language:

Python (Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib)

C#, C, HTML, CSS, JavaScript

### Machine Learning:

Statistical models, neural networks, deep learning

### Databases:

SQL, MongoDB

### Version Control:

Git/GitHub

### Data Analysis:

Data preprocessing, cleaning, and feature extraction

### Artificial Intelligence:

Natural Language Processing (NLP), Computer Vision, LLMs

### Cloud Computing:

Google Colab

### Software Development:

OOP

Data Structure

## PROFESSIONAL EXPERIENCE

### AI & Machine Learning

Deloitte

Mentorship

10/2025 – 12/2025

Remote

### Machine Learning

Saiket Systems

internship

08/2025 – 09/2025

Remote

### Artificial Intelligence (AI)

National Telecommunication Institute: NTI

internship

07/2025 – 08/2025

Port Said, Egypt

## PROJECTS

### AI-Powered Diabetes Prediction and Guidance System (Graduation Project) 🔗

- Designed and developed a machine learning model to predict diabetes risk from patient medical data with high accuracy.
- Integrated a Large Language Model (LLM) (Mistral 7B via OpenRouter) to generate dynamic, patient-specific questions and provide real-time personalized medical advice in the areas of nutrition, physical activity, and healthy habits.
- Built a medical chatbot to assist patients with queries, acting as a virtual healthcare assistant.
- Architected a backend system using Flask API to orchestrate interactions between ML models, LLM, and the user interface.
- Delivered a seamless and interactive frontend experience using Streamlit.
- Tools & Technologies: Python, Scikit-learn, Flask, Streamlit, Mistral 7B, OpenRouter, MySQL.

### Diabetes Prediction Model 🔗

- Developed a machine learning model to predict diabetes risk based on medical data.
- Utilized techniques such as Random Forest and Neural Networks to enhance accuracy.

- Tools: Python, Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib

#### Traffic Prediction Model

- Developed a machine learning model to predict traffic conditions based on historical and real-time data.
- Utilized techniques such as Time Series Forecasting, LSTM Networks, and Random Forest to improve prediction accuracy.
- Tools: Python, Scikit-learn, TensorFlow, Keras, Pandas, Matplotlib.

### CERTIFICATES

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**"Python Programming Basics"**

Mahara-Tech

**"Introduction to Data Science"**

Simplilearn

**"Data Science Mastery:  
Complete Data Science**

**Bootcamp 2025"**

Udemy

**"HCIA-AI V4.0 Course"**

Huawei ICT Academy

**"GIT, GitLab, GitHub**

**Fundamentals for  
Software Developers"**

Udemy

**"Data Analysis with Python"**

freeCodeCamp

**"Machine Learning with Python"**

freeCodeCamp

**"The Complete Python**

**Bootcamp from Zero to Expert"**

Udemy

**"Data Science & Machine  
Learning"**

Edraak إدراك

**"Artificial Intelligence (AI)"**

NTI/Huawei ETA

### SKILLS

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Critical Thinking & Problem-Solving

Teamwork & Collaboration

Creativity & Innovation

Continuous Learning

Time Management & Organization