

AYA MOHAMED

DATA SCIENTIST SPECIALIST

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PERSONAL SUMMARY

Aspiring AI Specialist student with a strong academic record — currently ranked first in class — and a passion for becoming a leader in the field. Proficient in Python, Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, and data preprocessing.

Actively involved in student activities and AI communities, with hands-on experience in diverse projects such as Arabic-Egyptian sentiment analysis, hand sign detection, diabetes prediction, and solving the N-Queens problem using backtracking.

Winner of the Egyptian Universities Olympiad in AI in AI which riched my experience.

Strong communicator, team player, and always eager to learn and collaborate on impactful AI solutions.

EDUCATION

KFS university - Artificial intelligence College

Fourth degree

GPA: 3.81

2022-2026

IEEE (Computer vision Course)

July 2023

- real time object detection using different algorithms.
- image preprocessing.

GDSC (Machine learning course)

Jan 2023

- Practical use of Python NumPy and pandas.
- data visualization.
- data pre-processing.
- machine learning algorithms.

LANGUAGE

Arabic : Mother language

English : B2

EXPERIENCE

DEPI(Digital Egypt Pioneers Initiative) IBM Applied Data Science

Jul 2025-Jan 2026

Internship

- Duration: 180 hours (120 Technical + 60 Soft Skills)
- Currently undergoing hands-on training in data preprocessing, exploratory data analysis, feature engineering, and machine learning.
- Working with real-world datasets using Python, Pandas, Scikit-learn, Matplotlib, and Jupyter Notebooks.
- Developing a capstone project following the full data science lifecycle from problem definition to model evaluation.
- Soft skills track includes Career Action Plan, CV Writing , Personal Pranding, Presentation Skills , Freelancing Skills.

- Completed a 60-hour internship focused on applied data science and machine learning techniques
- Gained hands-on experience in data preprocessing, exploratory analysis, and feature engineering
- Applied machine learning models for solving real-world problems

NTI(National Telecommunication Institute) AI Internship

Aug 2025

- Completed an 80-hour AI internship, covering machine learning, deep learning, and AI development frameworks.
- Gained hands-on experience in model training, deployment, and real-world AI applications.

SKILLS

Soft Skills:

- | | | |
|---------------------|--------------|-------------------|
| • Team work | • Creativity | • Quick learner |
| • Critical Thinking | • Leadership | • Problem solving |

Technical Skills:

- | | |
|-------------------------------|--------------------|
| • Python | • Machine Learning |
| • Computer Vision | • Deep Learning |
| • Natural Language Processing | |

PROJECTS

- ***Save My Driver***
- ***Arabic Sentiment Analysis Using LSTM***
- ***Hand Sign Detection with 100% Accuracy Using Mediapipe And Randomforest Classifier***
- ***Black Line Forward Car Using Arduino.***
- ***Diabetes Detection Using Different Machine Learning Algorithms.***

with Practical use of Python NumPy and pandas. I also learnt about data visualization, data pre-processing and different machine learning algorithms.

- ***N-Queen Problem Using Backtracking Pygame***