

AHMED SALAH FOUDA

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SUMMARY

Data Scientist with experience in healthcare projects. Skilled in Python and machine learning, with a focus on using data to support better medical decisions. Built models like heart disease prediction to help improve patient care.

SKILLS

- Programming Languages: Python, SQL, C++
- Machine Learning: Supervised & Unsupervised Learning, Model Evaluation
- Deep Learning: Neural Networks using TensorFlow & Keras
- Computer Vision: Face Recognition, Facial Expression Analysis, Object Detection (YOLOv8, OpenCV)
- Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn, Plotly
- Tools & Frameworks: Scikit-learn, OpenCV, TensorFlow, Keras

PROJECTS

Machine Learning Project – Heart Disease Prediction

Self-directed Project | 2024

- Collected and cleaned patient health data to predict heart disease risk
- Built and evaluated machine learning models (Random Forest, Gradient Boosting) using feature engineering and ROC analysis

Used Car Price Prediction

Dec 2024 - Jan 2025

- Built a machine learning model to predict used car prices using vehicle features such as horsepower, weight, and engine size
- Improved model accuracy by applying feature engineering (e.g., power-to-weight ratio, squared features, log transformations) and hyperparameter tuning

2025

Facial Expression Recognition Project:

- Built and trained a CNN using Keras and TensorFlow for facial expression detection.
- Used data augmentation and performed data collection, normalization, and model training to achieve high accuracy.

Face Recognition Attendance System:

June | 2024

- Developed using OpenCV and face_recognition.
- The system automatically recognizes faces for attendance in educational or professional settings.
- Data analysis and export are handled using pandas to Excel files.

EDUCATION

Bachelor of Science in Artificial Intelligence

Oct 2023- June 2027

- Kafr El Sheikh University, Faculty of Artificial Intelligence
 - Relevant coursework in Machine Learning, Data Science, and Computer Vision.
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COURSES & CERTIFICATIONS

- Data Science Course – Optical Soft 2024
- SQL Courses – DataCamp 2025
- Statistics, Linear Algebra, and Calculus Courses – YouTube & Various Platforms 2024 – Present

ADDITIONAL INFORMATION

CurinAI – AI-Powered Digital Health Platform Founder | 2025 – Present

- Developed a healthcare platform to manage digital medical records and support AI-based health predictions.
- Implemented secure user login, profile system, and storage of test results, prescriptions, and radiology images.
- Led the design and development process using modern web technologies and SQL databases.

Languages:

- Arabic (Native), English (Fluent)

Soft Skills:

- Problem-solving, Teamwork, Time management, Communication

Activities:

- Contributing to AI projects and participating in coding challenges.
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