Mohamed Abdalkader

Machine Learning Engineer

Mohameed.Abdalkadeer@gmail.com +201023277913 10th of Ramadan - Sharqia - Egypt

Mo-Abdalkader Mo-Abdalkader Mo_Abdalkader

PROFESSIONAL SUMMARY

AI-focused Software Engineer with 2+ years of experience in machine learning and computer vision. Skilled in delivering AI solutions for medical diagnostics, energy forecasting, and image processing. Strong problem-solving abilities and a collaborative mindset, eager to contribute to innovative AI projects.

EDUCATION

Bachelor's degree in Computer Science
Zagazig University
09/2019 – 07/2023

PROFESSIONAL EXPERIENCE

DEPI Scholarship
04/2024 – 10/2024

ShAI Internship
03/2024 – 09/2024

GDSC Bootcamp
10/2022 – 11/2022

IEEE Bootcamp
08/2022 – 10/2022

CERTIFICATES

IEEE Competition
08/2023
Graduation Project

Cisco
07/2022
Python

IEEE Al-Azhar
10/2022
Machine Learning Internship

AWARDS

ITAC
07/2023
Fund 70K Egyptian pounds

Academy of scientific research
08/2023
Fund 35K Egyptian pounds

TECHNICAL SKILLS

Programming Languages
Java and Python

Software Engineering
OOP, Data Structures, Algorithms, SQL, Design patterns and Version control (Git)

Data Analysis
NumPy, Pandas, SciPy

Data Visualization
Matplotlib, Seaborn and Power BI

Machine Learning
Scikit-learn for ML Traditional models
TensorFlow for DL models (CNNs and RNNs)

Tools
Jupyter, Azure, Docker, Colab, Kaggle, PyCharm

SOFT SKILLS

Problem-Solving
Analytical Thinking
Collaboration
Communication
Adaptability
Time Management

PROJECTS

Graduation Project
AI-IoT for Renewable Energy Prediction
This project leverages IoT and deep learning to support the shift from fossil fuels to renewable energy. It focuses on accurate energy forecasting to enhance grid stability and optimize resource allocation. Key elements include a deep learning model, IoT-based data collection, and a user-friendly website for energy forecast access.

Medical Machine Learning
- Breast Cancer Detection
- Diabetes Detection

Energy Forecasting
- Household Power Consumption
- Solar and Wind Generation (Time Series)
- Solar and Wind Generation (Regression)

Image Recognition
- Fast Food
- Handwriting Recognition (OCR)

Others
- House Rent Prediction
- Diamond Price Prediction