Ahmed Mohamed

AI / Machine Learning Engineer

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Motivated AI/ML Engineer and recent Computer Science graduate with a solid foundation in Python, data preprocessing, model development, and deep learning. Experienced with TensorFlow, PyTorch, and scikit-learn, and skilled in building end-to-end ML solutions from data analysis to model deployment using FastAPI, as well as integrating models into desktop applications. Brings discipline, resilience, and strong teamwork capabilities gained through completing national military service.

Education

Bachelor's degree at Computer Science, Suez Canal University, Ismailia
September 2020 - September 2024
Grade: Very Good

Skills

Programming & Tools: Python, Jupyter Notebook
Machine Learning: Data preprocessing, data analysis, scikit-learn
Deep Learning: TensorFlow, PyTorch, artificial neural networks
Deployment: FastAPI
Application Development: Python Tkinter, CustomTkinter (desktop apps)
Model Integration: Deploying AI/ML models into APIs and desktop applications

Volunteering

Chairman at Mish Hackers, Ismailia
January 2020 - December 2024

Head of Operations at GDSC, Ismailia
January 2022 - January 2023

Head of Operations at Nasa Space Apps, Ismailia
January 2021 - January 2022

Projects

FitSync • ↗
Health care synchronization system

Image-Classification • ↗
Ai model that detects if you are sad or happy using image classification and computer vision.

Soundify - Arabic OCR & Text-to-Speech • ↗
Soundify is a Python desktop application that converts Arabic text from images into spoken audio. It offers two OCR recognition modes in a single unified interface

MountainCar • ↗
A professional, modular reinforcement learning implementation that solves the classic MountainCar-v0 environment from OpenAI Gymnasium using Q-Learning algorithm.

Languages

Arabic - Native
English - Basic

Certificates

Supervised Machine Learning: Regression and Classification from Coursera
February 2024 • ↗ an online non-credit course authorized by DeepLearning.AI and Stanford University and offered through Coursera

Python Project: pillow, tesseract, and OpenCV from Coursera
March 2024 • ↗
an online non-credit course authorized by University of Michigan and offered through Coursera