

KARIM ABDULNABI

Machine Learning Engineer

📍 Bani Sweif , Egypt

☎ 01229028800

✉ karimabdulnabi999@gmail.com



Summary

Highly motivated Machine Learning Engineer with a strong background in computer science and expertise in machine learning, computer vision, and natural language processing. Experienced in developing and implementing machine learning models to solve complex problems. Skilled in Python, TensorFlow, Keras, OpenCV, and SQL. Demonstrated leadership abilities and a strong ability to work in a team.

Education

Bachelor in Computer Science(FourthYear)

9/2020 – 2024

Faculty Of Science at Beni Suef University

GPA(3.5)

Department: CS

Major: AI

Experience

- Instant Software Solution trainee
- trainee at ItI(Machine Learning)
- programming 1 essentials at "SAS" (data analysis) as a intern
- rank of Kaggle: expert Kagglar(at three section) 🏆🏆🏆

Software Skills

- Programming Languages: Python (Tensorflow , OpenCV, Keras, Pandas , NumPy,Beautifulsoup)
- Machine Learning: Deep Learning (CNN, RNN, LSTM), Computer Vision, NLP.
- SPSS
- Databases and SQL
- Computer Vision
- Deep Learning models
- Experienced in working with ChatGPT to develop Chatbots and virtual assistants.

Personal Skills

- Time Coordinator
- Solid writing skills
- Attentive to Detail
- Working efficiently in a team.
- Skilled in Oral Communication
- Working under pressure
- Flexibility
- Strong Problem Solver
- Leadership

Projects

Accident Prediction System (Graduation Project) - Team Leader

- Analyzed project requirements and compared architectures to use the best.
- Used data preprocessing techniques to make data ready and compatible with the model.
- Built Auto Encoder and "CGAN" models.
- Linked the two phases of the project (future frame prediction & classification phase).

Fruit Image Translation using Retrospective Cycle "GAN"

- Translated images from one fruit to another using retrospective Cycle "GAN" as the core model.

Car Price Notebook (silver medal in Kaggle)

- The data set focuses on collecting, organizing, analyzing, and interpreting data related to car prices and changes made to car brands. It aims to explore the factors influencing car pricing trends over time, including inflation, technological advancements, and consumer demand in the automobile industry.

OCR Using Simple "RNN " Model

- Recognize handwritten digits using simple "RNN" model.

Official Exchange Rates (silver medal in Kaggle)

- The Official Exchange Rates data set provides daily exchange rates from 2020 to 2023, reported by central banks or official sources, including date, currency, and official buying and selling exchange rates.

Classification Arabic "NLP"

- Scrap data and apply preprocessing techniques and auto correction then classify cleaned data using "RNN" model.

Classification with CNN Model in 10 Class of Fruits (silver medal in Kaggle)

- Built a CNN model to classify images of 10 types of fruits.

Twitter Sentiment Analysis

- Scraped data (tweets) and used a deep learning model to classify them as positive or negative.

Skin Cancer Detection Project

- Scraped data and used deep learning classification to predict skin cancer.

Face Detection

- Developed an example for face, hand, and eyes detection with OpenCV.

Trainings

Instant Software Solution

10/2022 - 1/2023

- Python -- OOP -- Algorithm --Statistics -- Probability
- Understanding AI Fundamentals
- Data Preprocessing and Feature Engineering
- Machine Learning Models
- Deep Learning and Neural Networks (Keras)
- Natural Language Processing (NLP)
- Computer Vision (OpenCV)
- Model Deployment and Evaluation
- Ethical Considerations in AI
- Create data visualizations using spreadsheets
- Ask questions and answer them using data

ITI Training (for universities students)

2/2022 - 3/2022

- Investigate a Data set using Python data analysis packages.
- Develop programs in Python.
- Manipulate data using NumPy.
- Assess the quality and tidiness of data visually and programmatically.
- Clean data using Python and Pandas.
- analysis process on a dataset.
- Gather data from multiple sources in a variety of formats.
- Load and process data using Pandas.
- Use Anaconda to manage your programming environment.
- Perform the entire data.

Courses

- Machine Learning at Hesham Asem channel 9/2020 - 6/2022
- AI course at Instant company 3/2022 - 10/2022
- PCAP: advanced python
- Mahara-tech: 1 - deep learning course 2 - database & SQL

Language Skills

- Arabic: Native
- English: Fluent
- French: Basics