

Abdallah Fekry Mohammed

Data Scientist

Cairo, Egypt

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Education

Bachelor of Science in Computer Science – Culture and Science City C.S.C

2020-2024

Cumulative Grade: Very Good with Honors – Graduation Project Grade: Excellent

Graduation Project

- As a Team leader, distributed the tasks on the team members, using agile methodology as communicate with others weekly for make a presentation for the work done.
- Developed an NLP-based smart chatbot that diagnoses diseases, gives information about it and recommends tests like X-rays, MRIs, etc. Based on patient symptoms, Capable of predicting 30 diseases.
- Implemented a sequence of end-to-end 14 computer vision models most are exceeding 95% accuracy for scanning medical imaging (X-ray, MRI, CT, and OCT), performing anatomical recognition, and disease evaluation. Predicts 25 disease types including Bone Fracture, Brain Tumor, Breast Cancer, Covid-19, etc.
- Additionally, integrates food image recognition identifying 101 food types and providing the approximate number of calories per gram.
- Deploy the models using Flask to make API's and connect them with mobile app and Streamlit for web.

Skills

Python - Data Analysis and Visualization with Numpy, Pandas, Matplotlib, Seaborn - SQL – Machine Learning with Scikit Learn - Deep Learning with Keras & TensorFlow - Deployment with Flask and Streamlit

Experience

Big Data Essentials Trainee | National Telecommunication Institute NTI

March 2024 – May 2024

- Got the foundation of 2 essentials needed for Hadoop platforms Networks & Linux.
- Developed an interactive Python programming codes, integrating practical exercises on 5 advanced topics like OOP, Numpy, Pandas, Matplotlib and Seaborn and improving data handling efficiency.
- Develop a completed database, analyze data, apply EDA and ask 10 business questions in a report.
- Had the opportunity to start with Big Data tools and techniques and work on Hadoop platforms.

Machine Learning Intern | Prodigy Infotech

February 2024 – March 2024

- Developed 3 Machine Learning projects such as Customer Clustering using K-Means, Dogs and Cats Classification using Support Vector Machine SVM.
- Architected 2 Deep Learning projects such as Hand Gesture classification using Deep Learning, Food Type Classification and identify calories using Deep Learning CNN.
- In addition, the data analysis, cleansing, preprocessing and visualization parts for 5 projects.

Machine Learning Intern | Code Casa

September 2023 – October 2023

- Got hands-on experience on 2 projects as Stock Price Prediction using LSTM model architecture and Housing Price Prediction using Multiple Linear Regression Algorithm.
- Collect, analyze, preprocess and clean data from 2 datasets then visualize the results for 2 projects.
- Received a Letter of Recommendation after the 1-month internship for responsibility and professional work.

AI & IoT Trainee | National Telecommunication Institute NTI

September 2023 – October 2023

During the 1-month (120 hours) Training Program, had the opportunity to dive deep into the AI world.

- Developed python codes hands-on experience with Artificial Intelligence tools such as Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn, Keras, and TensorFlow.
- Mastered AI techniques including mathematics, data preprocessing, cleansing, and visualization while implementing machine learning and deep learning algorithms, this knowledge enabled the successful completion of 10 predictive modeling projects.
- Experienced in Natural Language Processing NLP techniques and applying text preprocessing as text stemming, padding and tokenization in 2 projects as sentiment analysis, and on IMDB classification.
- Experienced in Computer Vision techniques as CNN, RNN, LSTM, etc. and applying 5 projects as chest Xray diagnosis, handwritten numbers classification, object detection, face recognition, etc.

Certificates & Courses

Data Science & Machine Learning Course | Microsoft Ministry of Youth and Sports

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| • Huawei HCIA AI v3.5 | December 2023 |
| • Python programming language | October 2022 |
| • Data Analysis & SQL Training Program | July 2023 |

Hacker Rank

- | | |
|-------------------------|--------------|
| • Problem Solving Basic | April 2024 |
| • Java Basic | October 2022 |
| • Python Basic | October 2022 |
| • SQL Basic | October 2022 |

Student Clubs by EELU Sololearn

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| • Introduction to Python | July 2023 |
| • Python Intermediate | August 2023 |
| • Python Developer | August 2023 |

ITI – Maharatech

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| • Python Programming Basics | July 2023 |
| • AI for Everyone (AI4E) | July 2023 |

March 2024 – Present

LANGUAGES

Arabic (Native) – English (Very Good)