Abdelrahman Sherif

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Education

Kafr El-Sheikh University, Faculty of Artificial Intelligence

- Coursework: Machine Learning, Neural Networks, Deep Learning, Data Structures, Computer Vision, NLP, Python Programming.

Experience

Artificial Intelligence & Machine Learning

- Built strong foundations in Artificial Intelligence, Machine Learning, Computer Vision, and Natural Language Processing (NLP).

- Developed solid skills in Python programming, Object-Oriented Programming (OOP), Data Structures, and version control using Git & GitHub.

- Performed data analysis using NumPy and Pandas for structured datasets.

- Created visual reports and insights using Matplotlib and Seaborn.

- Implemented full data preprocessing pipelines including data cleaning, missing values handling, outlier detection, feature scaling, and train-test splitting.

- Built and evaluated Machine Learning models such as Regression, KNN, Support Vector Machines (SVM), Decision Trees, and Random Forest.

- Evaluated models using performance metrics, cross-validation, and hyperparameter tuning techniques.

- Worked with Deep Learning models including ANN, CNN, and RNN for real-world data applications.

- Projects: Rock-Paper-Scissors, Titanic Analysis, Loan Prediction, Kaggle Black Friday Prediction.

Front-End Developer (Freelancer)   Dec 2024 – Present
Remote

- Built simple responsive websites using HTML, CSS, JavaScript and basic React.js.

- Focused on UI development and minor fixes.

Technologies

Programming Languages: Python, C++, JavaScript

AI & Data Science: NumPy, Pandas, Matplotlib, Seaborn, scikit-learn, Machine Learning, Deep Learning, ANN

Tools: Git, GitHub, Anaconda, VS Code, Jupyter Notebook

Frontend (Basic): HTML, CSS, Basic JavaScript, React.js

Soft Skills: Problem Solving, Time Management, Teamwork, Communication

Projects

Ride Pricing & Surge Modeling (Uber & Lyft)
An end-to-end ML project for predicting ride prices and surge events using real-world ride and weather data. Implemented advanced feature engineering, XGBoost models, SHAP explainability, and deployed an interactive Streamlit application.

Courses

Artificial Intelligence & Machine Learning Diploma – Route Academy

Language

Arabic (Native), English (Good)

Summary

Artificial Intelligence and Machine Learning student with strong foundations in data analysis, data preprocessing, and machine learning algorithms. Experienced in building and evaluating predictive models using Python and scikit-learn. Currently enhancing skills in Deep Learning and Computer Vision through hands-on projects. Passionate about applying AI to solve real-world problems.

Career Objective

Motivated Machine Learning Engineer aiming to continuously develop technical expertise in Artificial Intelligence and real-world AI applications, with a strong passion for building scalable and impactful AI projects.