Mohamed Ahmed Abdel Latif Ali

Data Scientist

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GitHup : https://github.com/Muhammed-AhmedGithup
Marital status: Singl
Kaggle : https://www.kaggle.com/muhammedahmedabdo

Profile

A results-oriented Data Scientist, Data Analyst, and Deep Learning Engineer with expertise in building and deploying deep learning models. Skilled in data preprocessing, exploratory data analysis, and predictive modeling. Proficient in a variety of tools and programming languages including Python, SQL, and TensorFlow. Experienced in solving complex problems and transforming data into actionable insights. Demonstrates a passion for continuous learning, delivering high-quality work under tight deadlines, and collaborating with cross-functional teams. Successfully completed multiple projects in machine learning, deep learning, and data visualization, showcasing a balance of technical expertise and innovation.

EXPERIENCE & INTERNSHIPS

Machine Learning Intern
Digital Egypt Pioneers Initiative (DEPI) | Dec 2024 – Apr 2025

- Trained in Python for Data Science and Machine Learning.
- Built and evaluated ML models using Scikit-learn.
- Performed data cleaning, preprocessing, and model validation on real-world datasets.

Education

Assiut University
Bachelor of Computers and Information
09/2021 – 07/2024 | Assiut, Egypt

- **Graduation Project:** Fall Detection System
  Achieved a grade of **A+**, utilizing advanced machine learning and data processing techniques.

TECHNICAL Skills

- **Programming Languages**: C++, C, Python, java,c#
- **Machine Learning**: Supervised & Unsupervised Learning, Recommender Systems, NLP.
- **Deep Learning**: ANN, CNN, RNN.
- **Databases**: MySQL and MongoDB.
- **Frameworks & Libraries**: TensorFlow, Keras, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Power BI, Plotly.
- **Version Control & CI/CD**: Git, GitHub, GitHub Actions.
- **MLOps**: Model Deployment, Docker.

PERSONAL SKILLS

- Teamwork & Communication

- Fast learner and self-motivated
- Adaptability and curiosity
- Problem Solving

Projects

- **Handwritten Digits Classification:** Preprocessed and normalized training data, applied data augmentation techniques like rotation and zoom, and built a deep learning model using TensorFlow to enhance model performance. GitHub Link
- **Bengaluru House Prices :**This project is a full-stack web application for predicting house prices in Bengaluru, India. It integrates React for the frontend, Flask API for the backend, and a robust machine learning model for accurate price predictions. The model was trained using extensive data cleaning, feature engineering, and hyper parameter tuning to enhance prediction accuracy. GitHub Link
- **Flowers Classification** :This project focuses on classifying different types of flowers using Deep Learning, specifically Convolutional Neural Networks (CNNs). The model was trained on an image dataset, leveraging data augmentation and advanced neural network architectures to improve classification accuracy. GitHup Link
- **Face Recognition System** :This project is a Face Recognition system that uses machine learning and computer vision techniques to detect and recognize faces in images or video streams. It can be used for applications like security, attendance systems, or personalized user experiences. GitHub Link
- **Food Delivery Chatbot** : This project is an AI-powered chatbot designed to facilitate food ordering and delivery services. The chatbot interacts with users in natural language, helping them browse menus, place orders, track deliveries, and resolve queries. It can be integrated into websites, mobile apps, or messaging platforms like WhatsApp or Facebook Messenger. GitHub Link
- **Breast Cancer Wisconsin Classification:** Achieved 99% accuracy using deep learning and evaluated multiple machine learning models. GitHub Link
- **Heart Disease Prediction:** Utilized Logistic Regression for an 86% accuracy rate. GitHub Link
- **Credit Card Fraud Detection:** Applied multiple classifiers with accuracies ranging from 80% to 88%. GitHub Link
- **E-commerce Analysis:** Conducted data cleaning, visualization, and clustering using K-means. GitHub Link
- **Bike Sales Dashboard:** Built an interactive sales dashboard using Excel. GitHub Link
- **Layoffs Data Analysis:** Analyzed layoffs trends using SQL. GitHub Link
- **India Unemployment Analysis:** Performed comprehensive unemployment data analysis. GitHub Link
- **Movie Rating Analysis:** Examined movie rating trends using Python. GitHub Link

COURSES & Certificates

- **Machine learning** DeepLearning.AI Certificate Link
- **Deep Learning Fundamental** IBM Certificate Link
- **Data Analysis With Python** IBM Certificate Link
- **Data visualization with python** IBM Certificate Link
- **Machine Learning With Python** IBM Certificate Link
- **EDA For Machine Learning** IBM Certificate Link
- **Deep Learning with TensorFlow** Certificate Link
- **The Machine Learning Algorithms A-Z** Certificate Link