Sooraj Kumar

Machine Learning Engineer

AI, ML, and CV experienced with strong programming skills in Python and Java. Passionate about solving complex problems with scalable and efficient Machine Learning models. Quick learner and detail-oriented problem solver who thrives in collaborative environments. Seeking a Machine Learning Engineer role to apply my skills and contribute to a dynamic team.

CONTACT ME

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Karachi, Sindh, Pakistan

EDUCATION

Computer Science
Sukkur IBA University
2019-2023

Pre-Engineering
Govt: Muslim Science Degree College
2016-2018

SKILLS & FRAMEWORKS

- Machine Learning Algorithms
- Data Preprocessing
- Model Evaluation and Validation
- Feature Engineering
- Data Visualization
- Statistical Analysis
- Scikit Learn
- NLP
- Keras
- TensorFlow
- Object detection & classification
- Image segmentation
- Computer Vision

LANGUAGES

- Python, Java, Dart, Kotlin

WORK EXPERIENCE

Machine Learning Engineer — 2021-Present

Perfext Solutions | Sukkur

Served as a Machine Learning Engineer, contributing to the development and deployment of machine learning models. Designed and implemented machine learning algorithms, conducted data preprocessing, and collaborated with a cross-functional team to improve the system's accuracy.

PROJECTS

FAKE NEWS DETECTION

- Using random forest model, developed a machine learning-based system to classify news articles as real or fake.

CHATBOT USING NLP

- Built a chatbot using Natural Language Processing techniques and RNN model to assist customers with common queries.

VEHICLE CLASSIFICATION AND TRACKING SYSTEM

- Designed a computer vision-based system to detect and track vehicles in real-time using yolov8 and deepsort.

TEXT GENERATION USING LSTM

- Developed a text generation model using Long Short-Term Memory (LSTM) neural networks to generate coherent and contextually relevant text based on a given input.

EARLY STAGE DIABETES PREDICTION

- Developed a predictive model using machine learning to identify patients at risk of developing diabetes using NN.

CALORIES COUNT IN FRUITS

- Developed a machine learning model to estimate the calorie content in various fruits based on their nutritional attributes. Applied feature engineering and regression techniques to accurately predict calorie counts, aiding in dietary analysis and health-conscious decision making.

CERTIFICATES

- **Python (Kaggle)**
- **Data Science (Kaggle)**
- **Artificial Intelligence (edureka)**
- **Machine Learning (Google)**
- **Computer Vision (Google)**
- **Data Visualization (Coursera)**