Saikiran Pasunuti

Data Scientist

Aspiring Data Scientist with strong math background and 6 months of experience in data processing, predictive modeling, and hyper parameter tuning. Experienced in Python, SQL, ML and Deep Learning techniques like neural networks, image processing as well as time series forecasting.

kiranpasunuti671@gmail.com | +91 9849245953 | https://www.linkedin.com/in/sai- | https://github.com/kiranpasunuti

WORK EXPERIENCE

Data Scientist - Internship

AI Variant jun-2023 to Jan 2024

Roles & Responsibility

- Successfully interpreted data in order to conclude managerial action and strategy.
- Experience with data science models including Supervised, Unsupervised, and DL Algorithms.

Crude Oil Forecasting { forecasting App (click here) }

- Led the successful development of an Oil Price Prediction system using a finely-tuned K-Nearest (KNN) model, achieving optimal RMSE values. Implemented a forward-looking deployment strategy for predicting oil prices over the next 365 days, coupled with an intuitive user interface, enhancing accessibility and decision-making capabilities.

Music Recommendation System

- Developed a music recommendation system using Python, Streamlit, and YouTube API, enhancing user engagement. Implemented TF-IDF vectorization and cosine similarity to suggest personalized music playlists based on input playlist names. Integrated Spotify API to fetch track details and images. Successfully deployed the application on Stream lit for an interactive user experience. This project showcases strong problem-solving skills, Effective communication and API integration, through code.

Telecom Churn Prediction { Churn App (Click here)}

- Managed Telecom Churn Prediction project, overseeing data cleaning, feature selection, and data balancing. Utilized diverse models, with Random Forest achieving top accuracy. Led model deployment for practical implementation. Demonstrated expertise in data preprocessing, feature engineering, and model optimization, enhancing predictive capabilities for proactive churn management.

PERSONAL PROJECTS

Face Recognition Using Deep Learning

- The implementation of Principal Component Analysis(PCA) with Artificial Neural Networks(ANN) for face recognition involves using PCA to reduce the dimensionality of facial features and then integrating this reduced representation into an ANN model. This combined approach enhances the efficiency and performance of face recognition systems, enabling more robust and accurate identification of individuals.

Generative-AI Projects

Mini GPT Using Lang Chain { Kiran GPT App (click here) }

- Created a mini GPT using lang chain successfully

Gemini-Image Content Generator

- Developed a web application using Streamlit and Google Generative AI library to generate content based on input images. Implemented features for uploading images, inputting text, and displaying generated content. Integrated the Google Generative AI model to generate content related to input images and text.

DATA SCIENCE SKILLS

Python | PowerBI | Statistics | Lang Chain | ML Algorithms | NLP | Excel | Tableau | Regression | Clustering | Generative AI

CERTIFICATES

Machine Learning with Python (IBM)
IBM

Bharath Intern virtual Internship.
Bharat Intern

Data Analytics Consulting Virtual Internship
Forage (KPMG)

INTERNSHIP CERTIFICATES

AI Variant

TOOLS & TECHNOLOGY

- Python (NumPy, Pandas, Seaborn, Scikit-learn, SciPy, NLP, Keras, TensorFlow, OpenCV)
- Anaconda, Azure,
- MySQL,
- HTML, CSS.
- Power BI ,Excel, MySQL ,Tableau
- Google Generative AI library, PIL, Gemini, Langchain

EDUCATION

BTech(Electronics and Communication Engineering)
CMR Institute of Technology (CMRIT)

07/2019 - 05/2023,

M.P.C
Narayana Junior College
06/2017- 05/2019

COURSES

Data Science, ExcelR Solutions
Exploratory Data Analysis: Data Collection, Data Cleaning, Data Visualization. Model Building: Regression, Random Forest, Decision Tree etc.
Ensemble Learning: Bagging, Boosting.
Forecasting: Exposure on time series models like AR, MA, ARIMA etc.