Gyan Prakash Kushwaha *Data Scientist*

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Github K Kaggle

Profile

Strong foundation in Mathematics, Statistics and Python. Experience in data preprocessing, feature engineering, and model evaluation. skilled in scikit-learn, and data visualization libraries, adept at utilizing machine learning algorithms to solve real-world problems and drive data-centric decision-making.

Experience

AutoWealthIn - Internship

Machine Learning Engineer - *July 2023 - september2027*

I have worked in Angel Broking smart API and built some Algorithmic trading Algorithms using Python during this Internship.

Education & Courses

Indian Institute of Technology, Madras
BS in Data Science and Applications - (7.55 CGPA) - Sep 2023 - Sep 2027

Government Higher Secondary School, Ghoordang
12th(7.3/10 CGPA) - July 2022 - July 2023

Physics Wallah Skills
Data Science Masters - January 2023- November 2023

Skills

Python
(Pandas | Numpy | Matplotlib | Seaborn | Web Scraping)

Machine Learning
(Bagging | Boosting | Clustering | Linear Algorithms | Distance Algorithms)

Statistics
(Descriptive | Inferential | Statistical Testing)

Databases
(Postgresql)

MLOPS
(MFLOW | DagsHub)

Projects

Customer Churn Prediction

Developed a customer churn prediction system using MLflow, Dagshub, Sklearn, Neural Networks, and Streamlit; leveraged customer attributes to accurately predict churn, reducing customer attrition by 50% and increasing customer retention by 50%, The data was completely symmetric.

- I created a predictive model for customer churn based on Age, Gender, Location ETC features.
- Utilize MLflow for model versioning and experiment tracking.
- Collaborate efficiently with Dagshub for team-based data science workflows.
- Implement a Neural Network model for capturing complex patterns in customer data.
- Develop an interactive Streamlit web application for visualizing predictions.

Mobile Recommendation System

Create a mobile phone recommendation system that swiftly suggests similar devices based on user preferences, employing similarity metrics for 100% matches and alternative mobiles for exploring others as well.

- I did extensive web scraping from flipkart of 11 mobile brands and extensive data cleaning.
- I have used cosine similarity metrics to identify closely related devices.
- Enable users to explore alternative phones aligned with their preferences.

Similarity between two Faces & Similar actor Like you

- I have implemented the Keras-VGGFace model for facial feature extraction.
- Utilizing cosine similarity calculations, I developed a system that accurately identifies similar faces.
- I have designed and developed this project to excel in the domain of facial similarity analysis.