ASHRAY RAINA

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PROFILE

A meticulous Computer Science undergraduate and organized individual seeking an Entry-level position in the field of Data Science or Machine Learning who can visualize and tell you the insights in the raw data using various technologies which would help in bringing a change to the way we look upon data and also predict the happenings using the Machine Learning Models.

SKILLS

Tools: Python, VS Code, Jupyter Notebook.
Packages: Scikit-Learn, NumPy, Pandas, Matplotlib, seaborn, Jupyter Notebook.
Machine Learning: Statistical Analysis, Exploratory data analysis, Predictive Modelling, Regression, Classification, Clustering algorithms, regularization

SOFT SKILLS

Team Management • Problem Solving • Teamwork • Leadership • Confidence

PROJECTS

Sentiment Analysis WebApp - SentText
- Used Python script to extract tweets, comments data from twitter.
- Analyzed and Performed NLP based Tokenization, Lemmatization, vectorization and processed data using NeatText in Machine understandable language.
- Designed multi-class classification model and modeled Logistic Regression and text vectorization pipeline for predicting the sentiment.
- Used simplified python framework Streamlit to make webapp.

Diabetes Prediction
- Analyzed and performed exponential data analysis on the National Institute of Diabetes and Digestive and Kidney Diseases. The objective of the dataset is to diagnostically predict whether or not a patient has diabetes, based on certain diagnostic measurements included in the dataset.
- Built prediction models based on Random Forest, logistic regression, KNN, and SVM for different onsets of type 2 diabetes prediction.
- Uses blood pressure, glucose, pregnancies and various other markers to predict the outcomes and compare their performance metrics.

Loan Prediction
- Worked on loan prediction dataset, the problem is a clear classification problem as we need to classify whether the Loan Status is yes or no.
- Used Logistic Regression, Random Forest and Decision Tree Classifier which gave an accuracy of 82.2%, 86.3%, 81.7% respectively.

EDUCATION

07/2019 – 07/2023 **B.tech (Computer Science)**
Katra, India **Shri Mata Vaishno Devi University**
CGPA - 7.13

COURSES

Machine Learning For All
Coursera
- Got to know about various machine learning algorithms with their mathematical implementation.
- Developed end to end machine learning projects

INTERESTS

Video Editing • Graphic Designing • Cricket • Football