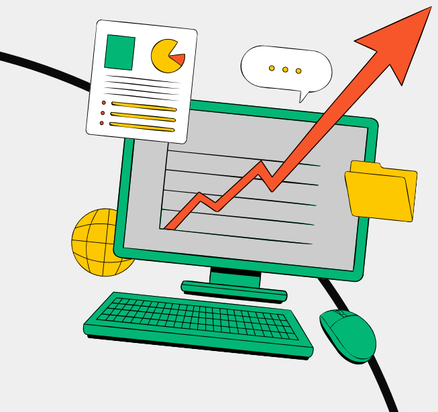
CodSoft

Data Science



About Company

CODSOFT is a vibrant and diverse community that brings together individuals with similar objectives and ultimate goals. Our main focus is on creating opportunities that span various areas, including leadership development, learning, student engagement, and fostering shared interests.

Task 1

TITANIC SURVIVAL PREDICTION

- Use the Titanic dataset to build a model that predicts whether a passenger on the Titanic survived or not. This is a classic beginner project with readily available data.

- The dataset typically used for this project contains information about individual passengers, such as their age, gender, ticket class, fare, cabin, and whether or not they survived

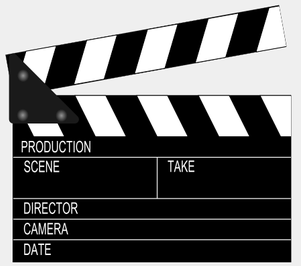
Dataset

Task 2

MOVIE RATING PREDICTION WITH PYTHON

- Build a model that predicts the rating of a movie based on features like genre, director, and actors. You can use regression techniques to tackle this problem.
- The goal is to analyze historical movie data and develop a model that accurately estimates the rating given to a movie by users or critics.
- Movie Rating Prediction project enables you to explore data analysis, preprocessing, feature engineering, and machine learning modeling techniques. It provides insights into the factors that influence movie ratings and allows you to build a model that can estimate the ratings of movies accurately

Dataset



Task 3

CREDIT CARD FRAUD DETECTION

- Build a machine learning model to identify fraudulent credit card transactions. Preprocess and normalize the transaction data, handle class imbalance issues, and split the dataset into training and testing sets.
- Train a classification algorithm, such as logistic regression or random forests, to classify transactions as fraudulent or genuine.
- Evaluate the model' s performance using metrics like precision, recall, and F1-score, and consider techniques like oversampling or undersampling for improving results

Dataset

End

Thank you

Do you have any questions?

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