

PROJECT IDEAS

1. RECOMMENDATION SYSTEM:

Recommendation engines have become hugely popular in online shopping and streaming sites. For instance, online content streaming platforms like Netflix and Hulu have recommendation engines to customize their content according to individual customer preferences and browsing history. By tailoring the content to cater to the watching needs and preferences of different customers, these sites have been able to boost the demand for their streaming services.

Dataset source: "MovieLens", one of the most popular datasets available on the web. This dataset includes over "25 million ratings and one million tag applications applied to 62,000 movies by 162,000 users."

2. HOUSE PRICE PREDICTION:

There are a lot of factors that determine the price of a house including its location, size, number of rooms, etc. But people ignore many of these factors while buying or selling a house.

Dataset from Kaggle: "Ames Housing Dataset", this dataset has 79 attributes/ variables describing (almost) every aspect of residential homes in Ames, Iowa.

3. HEART DISEASE PREDICTION:

Heart disease describes a range of conditions that affect your heart. Today, cardiovascular diseases are one of the leading causes of death worldwide with 17.9 million deaths annually, as per the World Health Organization reports. Various unhealthy activities are the reason for the increase in the risk of heart disease like high cholesterol, obesity, increase in cholesterol, triglycerides levels and hypertension. There are certain signs which the American Heart Association lists like the persons having sleep issues, a certain increase and decrease in heart rate (irregular heartbeat), swollen legs, and in some cases weight gain occurring quite fast. All these symptoms resemble different diseases also like it occurs in the aging persons, so it becomes a difficult task to get a correct diagnosis, which results in fatality in near future.

Dataset from Kaggle: "UCI Machine Learning Heart Disease". The dataset consists of 14 main attributes used for performing the analysis.

Finally, the recommendation system was selected for the project.