

Project Name – Movie Recommendation System

Team Members -

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1.Scope -

With the development of science and technology, more people especially young teenagers do not want to pay more attention to TV shows and movie . Nowadays the challenge of such industry is how to attract the audience's attention, so as to improve the audience rating of TV shows and movies. This paper proposes a recommendation system, which can improve audience rating. This system mainly contains three modules. Data gathering module is responsible for collecting audience rating data about TV shows on the Internet. Data mining module is responsible for analyzing the audience data, and finding interesting programs that the audiences want to watch. This program recommendation system is designed to improve audience rating, and catch the attention of audiences. The system is based on massive user data, and data mining algorithms to analyze the user's interests. Compared with recommendation system, it is capable for content based filtering and easier for tv industry to recommend shows in which audiences are interested, as a way to adds vitality to the television industry. We will be developing the website that will take the recommendations from the machine learning algorithm.

2.Technology Stack -

Google Colab is been used to perform the machine Learning Algorithm in which are doing unsupervised Learning and by Content based filtering technique we will be recommending the next five to ten movies based on the movie which was watched by user.

Python Flask will be used to make the web framework which will fetch the data from the colab and display that data to the website and will help the site look interactive and easy to communicate and html,css will be used to make the site attractive to the end user.

3.Benefits for Environment -

Recommender systems help the users to get personalized recommendations, helps users to take correct decisions and redefine the users web browsing experience, retain the customers, enhance their experience.Recommendation engines provide personalization and helps to reduce the stress by finding similar movies easily.

4.Benefits For Society -

By using this recommendation system the cable operators having there default channel which are free to the users can start showing them the popular movies on that channel .By this way the cable operators will get the money which will be generated by the advertisement and the end users will not have to pay extra money for getting the channels which are showing similar movies.

5.Applications -

Netflix uses this technology to recommend the users the similar shows which the user is watching so that the more the time the user spends on the applications the more will

be the revenue generated . By using Content based Filtering and Collaborative based Filtering the system can display similar movies which the user is currently watching.

Youtube also has this application to recommend the users the similar videos by analyzing the users behaviour and as per that recommend the similar videos on there channel.

All the website which are similar to this in which videos are to be recommended so that the users can browse efficiently and does not face any problems to search the similar contents uses this technique to predict the next five to ten similar videos and display it to the end user.