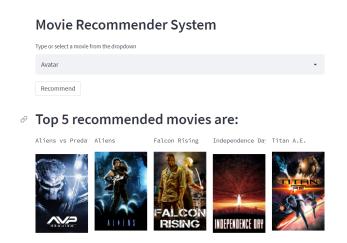
UX Report - Movie Recommendation System

About the web application:

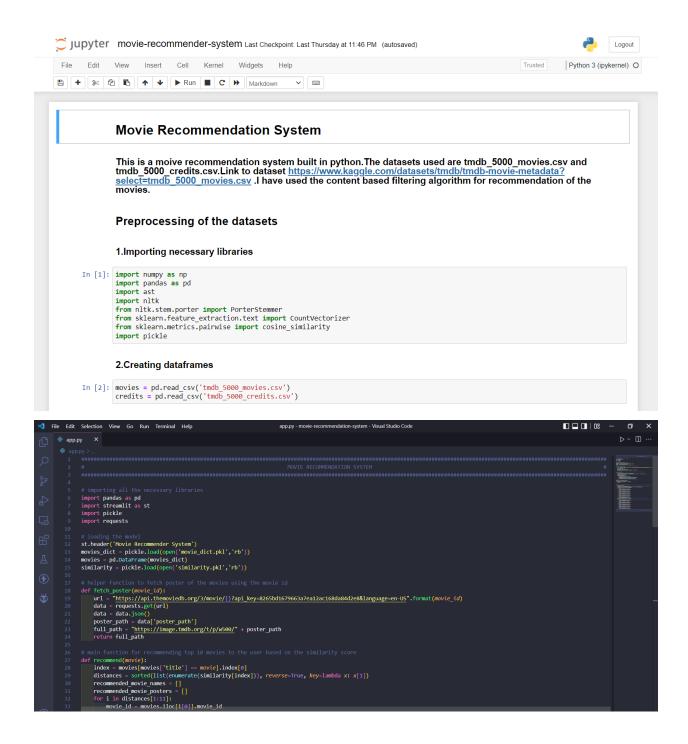
I have made a web application that can recommend movies to the user based on the movie he selects. I have used the python streamlit library for making the web app. I made few of my friends test the application and took the review from them.



Methodology:

The web application uses content based filtering to recommend movies to the user. I have used 2 datasets from TMDB website. I combined both the datasets and extracted useful features that will be used as tags for filtering. The filtering is then done by finding similarity between these tags of different movies. For the frontend part, streamlit library is used. A simple, clean and basic frontend is made using it. The TMDB api is used for displaying the posters of the recommended movies.

 \equiv



User experience:

Over 90% of the time similar movies are recommended. The app fails for some movies like King Kong, Harry Potter and the Philosopher's Stone, etc. Overall the UI of the web application is clean and simple. More changes can be made in future.

Movie Recommender System

Type or select a movie from the dropdown

King Kong

Recommend

Top 5 recommended movies are:



20,000 Leagues | Master and Comm; The Black Hole











Movie Recommender System

Type or select a movie from the dropdown

Harry Potter and the Philosopher's Stone

Recommend

Top 5 recommended movies are:

The Adventures (1982

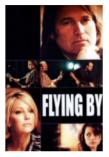
ELMO



The R.M.



Flying By



Harry Potter and



Key Insights:

Most important insight is that the recommendation of the movies is mostly dependent on the genre of the movie. Other factors like cast, director, overview, etc don't contribute much to the recommendation of a movie.

Expandability:

In future updates, we can provide users the option to select on what basis they want to filter movies. This can make the recommendation more accurate and based on the user's decision.

Future Scope:

The frontend can be made more interactive and user friendly. Selected movies by the user can be stored and recommendations can be made using that data. More features can be added like provide user information about the movie.