Internship Project Title- Movie Recommendation System

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Movie-Recommender-System

A Web based Movie Recommendation Engine to recommend movies. This engine implemented with the help of **collaborative filtering by Matrix factorisation algorithm.** These recommendation based on underlying idea that, if two person with similar interest are watching movies and one person has rate a movie and the other one has not watched yet that movie then it is most probable that the same movie will be recommended for the other user.

Technologies Used

Web Technologies
Html , Css , JavaScript , Bootstrap , Django

Machine Learning Library In Python3
Numpy , Pandas , Scipy

Database
SQLite

Requirements
- python 3.7
- pip3
- virtualenv

Setup to run

- Extract zip file in your computer

- Open terminal/cmd promt

- Goto that Path

    Example

cd ~/Desktop/Movie-Recommender-System

- Create a new virtual environment on that directory (Please refer any link to know how to create a virtualenv in your system)

  For Example- virtualenv env

- Activate Your Virtual Environment

  Example -   for Linux   ```source bin/activate```

  for Windows ```cd Scripts``` then ```activate ```

- To install Dependencies

  ```pip install -r requirements.txt```

Creating Local Server

- Goto rec_sys directory, example

  ```cd ../Movie-Recommendation-System/rec_sys```

- To run the server

  ```python manage.py runserver```

- Now open your browser and go to this address

  ```http://127.0.0.1:8000```