*Movie Recommendation System*

**Business Objective**: Scrape Movie dataset from IMDB, perform analysis for deeper insights and build a recommendation system.

**Data Set Details:**

This dataset should contain information about the top 10,000 movies listed on IMDb, one of the most popular online databases of movies, TV shows, and celebrities. The data should include a variety of attributes such as

movie name,

release year,

rating,

metascore,

gross income,

votes,

runtime,

genre,

certificate,

description,

directors, and

stars. The dataset should be scraped and cleaned for research and analysis purposes.

**Variable Description:**

|  |  |
| --- | --- |
| **movie\_name** | The title of the movie. |
| **year** | The year of the movie's release. |
| **rating** | IMDb user rating. |
| **metascore** | Metascore rating. |
| **gross\_income** | Gross income of the movie. |
| **votes** | Number of votes on IMDb. |
| **runtime** | Duration of the movie in minutes. |
| **genre** | Genre(s) of the movie. |
| **certificate** | Certification or rating of the movie. |
| **description** | A brief summary or plot of the movie. |
| **directors** | Director(s) of the movie. |
| **stars** | Main cast or actors of the movie. |

**Acceptance Criterion:** Need to deploy the application on streamlit, flask, aws etc.

**Milestones:**

**30 days to complete the Project**

|  |  |  |
| --- | --- | --- |
| **Milestone** | **Duration** | **Task start - End Date** |
| Kick off and Business Objective discussion | 1 day |  |
| EDA | 1 Week |  |
| Model Building | 1 Week |  |
| Model Evaluation | 1 Week |  |
| Feedback | 1 week |  |
| Deployment |
| Final presentation | 1 Day |  |

Protocols:

1. All participants should adhere to agreed timelines and timelines will not be extended.
2. All the documentation – Final presentation and python code to be submitted before the final presentation day.
3. All the participants must attend review meetings.

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