



AI App/ Project – CineGuru

User Manual

Author: Tanush Shenai

Table of Contents

- Acknowledgements
- My introduction
- My internship journey
- About App
- Option - Hybrid movie recommender system
- Option - Mood-based movie recommender system
- Option - Simple movie recommender system
- Contact Details

Acknowledgements

- A small vote of thanks for all who have helped you in this journey of App Development – my parents, Mentors – Mr.Avishek, Ms Smita, Ms Shivani, Mr. Ken, websites etc.

About Me..

My Introduction

Tanush Shenai

Grade 9

13 years old

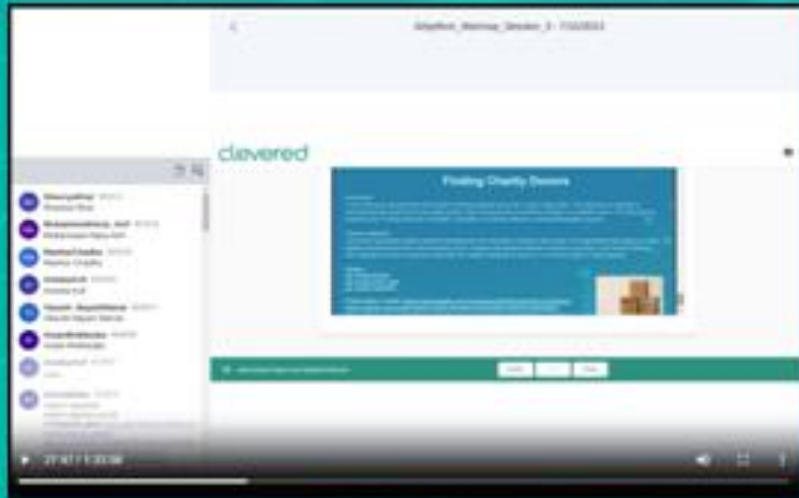
I am fascinated by AI because of its prospects, innovative and new technologies and applications in many domains, like hospitality sector, entertainment sector, medical sector etc. I feel AI, along with Python will be very beneficial to the society. Through the internship, I was able to learn Python and AI concepts and apply them to make a socially useful project - a movie recommender system.



About My Internship Journey with Clevered.

My internship journey has been amazing. I have learnt a lot of new, exciting concepts of Python and AI. I learnt about several python libraries and AI technologies. I am also having regular practice through the home assignments.

I am extremely grateful for the opportunity to learn and do AI and Python through the Advanced internship



About App - CineGuru

It's a movie recommender system

Its primary function :

Input : The user will input his User ID and the title of a Movie

Output: Content-wise related movies sorted based on previous ratings of other movies by that user and overall popularity/votes.



It will give a content-based recommendation based on the description etc. of the movie entered, which means that movies with similar description, director , actors etc. will be recommended to the user. In addition , it will also give a collaborative based recommendation according to the previous ratings by the user. However, it will also feature a simple recommender where users can also specifically enter their preferred genre/ just Top Movies (based on IMDB Weighted Rating System) etc. to receive recommendations. A unique feature of the app is that it will also recommend movies by analyzing the mood entered.

I chose this project as it is socially beneficial and will help users to choose a movie fast and correctly whether for a family movie night or a gathering of friends or any other occasion. It will also suggest movies based on the mood or genre like uplifting people by inspirational and peppy movies when they're feeling low or suggesting fast-paced movies with fighting scenes for action genre etc. It will improve the quality of entertainment and help people to truly enjoy what they watch.



How do I use the App?

Option - Hybrid recommender system



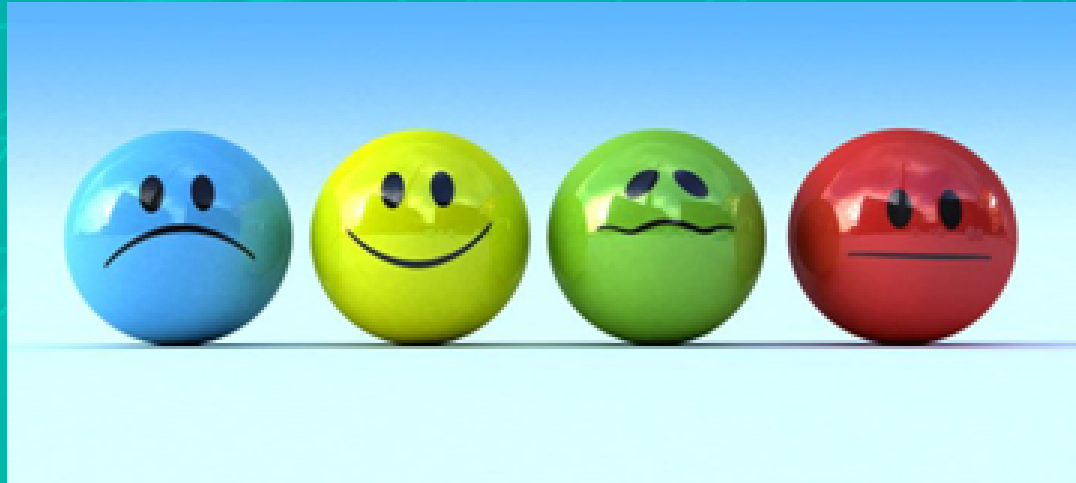
- The user must enter their user id and title of the movie of which they want similar recommendations
- Then, a chart showing the top 10 similar movies will be displayed based on the previous ratings of other movies by the user, content-wise match of the similar movies to the one entered and sorted on the basis of their content-based and collaborative-based similarity scores.

Option - Simple recommender system



- The user must first select between top movies and genres
- For top movies, the user will be asked to enter how many top movies they want to see, and a chart of top n movies based on IMdB's Weighted Rating system will be shown.
- For genres, a list of unique genres in the whole data will show as a combobox, from which the user will select one and the top n movies of that will show.
- Then, a chart showing the top n(to be entered) movies and in descending order of IMdB weighted rating in that genre will be showing.

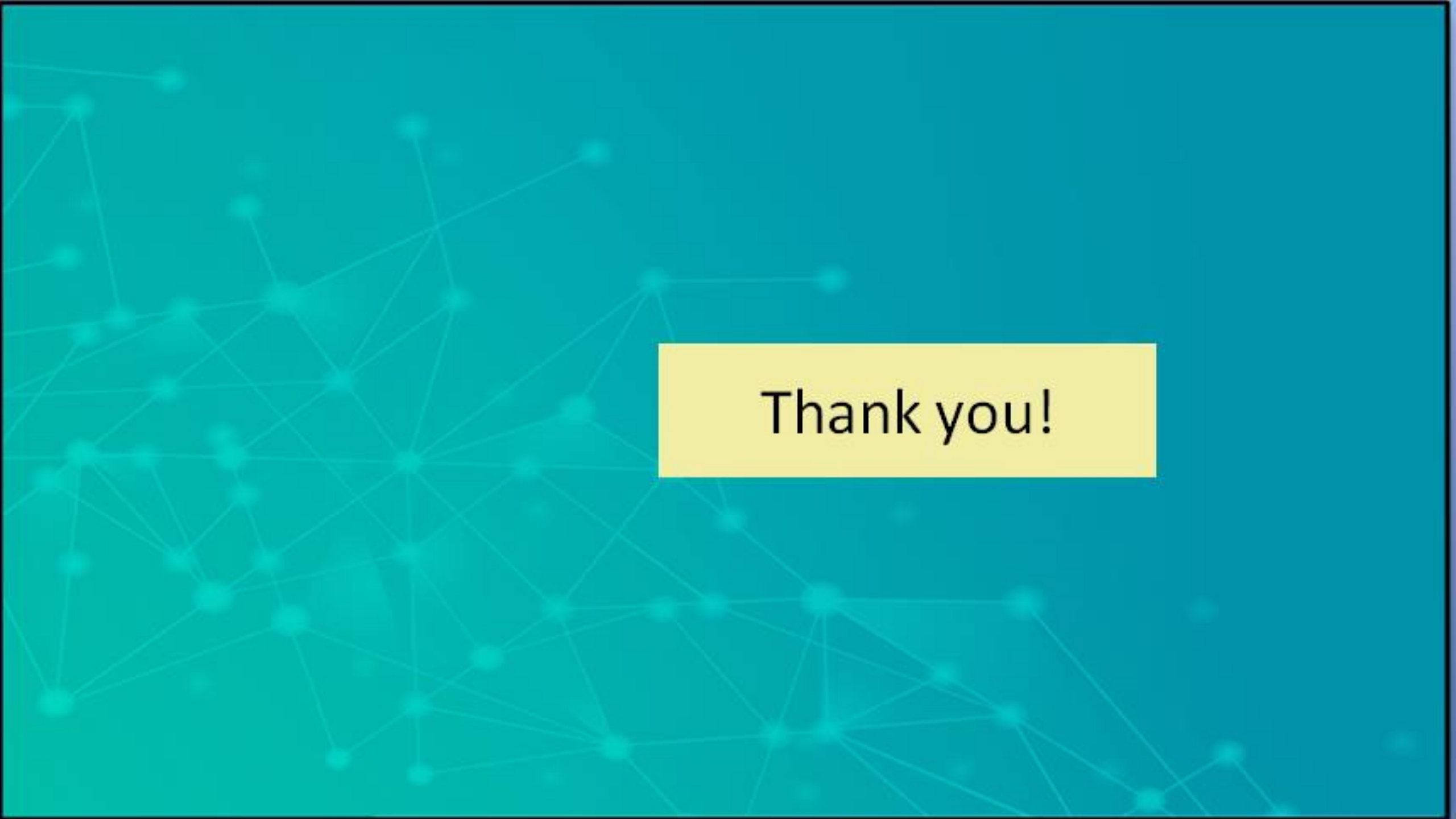
Option - Mood-based recommender system



- The user must enter their mood in a textbox, and submit it
- A sentiment polarity will be conducted using lexicon-based sentiment analysis.
- If score is >0.2 , mood = happy, if score is less than -0.2 , mood = sad, else mood = neutral
- Based on the mood(happy, sad or neutral), the user will be asked to select from the genres tailored to that mood.
- Then, a chart showing the top n(to be entered) movies in that genre will be showing in descending order of IMdB weighted rating .

Contact Person

- Please reach out to me (Tanush Shenai) at my email address (tanushshenai@gmail.com) for any questions/ concerns/ suggestions on the App



Thank you!