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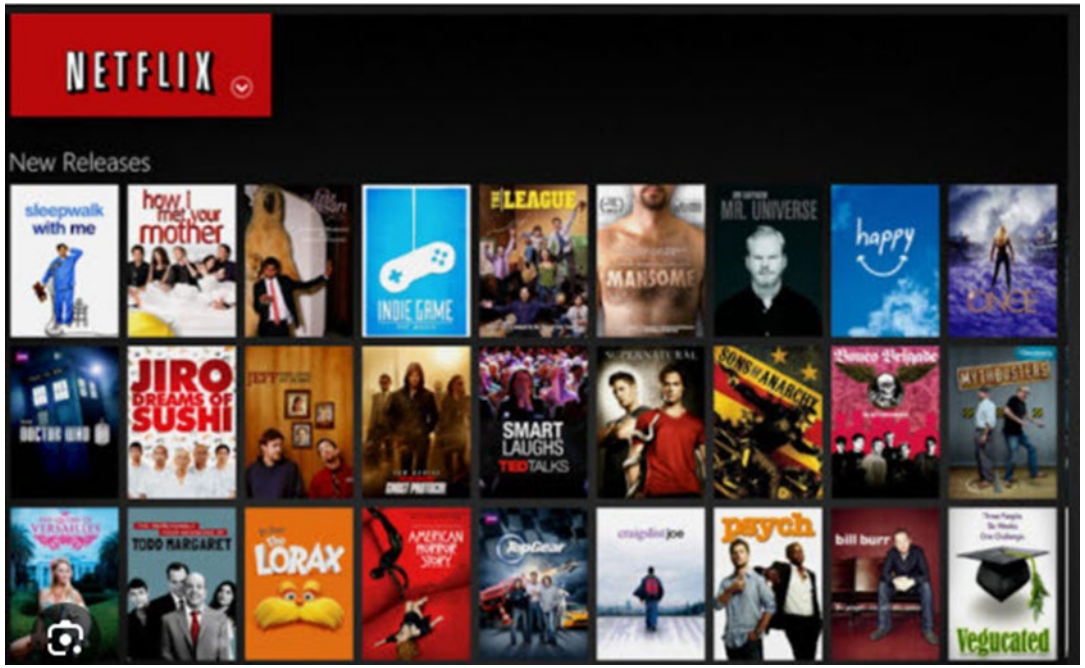
Project Overview



THIS PROJECT EXPLORES NETFLIX AND STREAMING MOVIE TRENDS BY COMBINING METADATA, IMDB RATINGS, AND GOOGLE SEARCH INTEREST OVER TIME. OUR GOAL WAS TO CREATE AN INTERACTIVE DASHBOARD THAT ALLOWS USERS TO SELECT A MOVIE AND VIEW:

A DESCRIPTION AND IMDB METADATA

A LINE CHART OF SEARCH INTEREST FROM 2021 TO 2025

A BAR CHART COMPARING TREND SCORES TO IMDB VOTE COUNTS

Workflow

Kaggle

OMDB API

Google Trends

SQLite

HTML/CSS

JavaScript

Data Sets

Kaggle dataset with Netflix movies released in 2021.

OMDBI API data to pull in the imdb ratings and number of votes for the movies. Cleaned and merged the Netlix metadata and OMDB API data. which includes Metadata including title, director, cast,ratings, duration, and IMDb info.

Used pytrends to pull in the google search trend data for each of the movies

Combine both data set into SQLite.

Used flask API and utilize HTML with Javascript to create interactive dashboard.

Live
Demonstration
MINIONS
KICKING & SCREAMING
CLEAR PRESENT DANGER
SPIDER-MAN
NETFLIX
KICK-ASS