

ABSTRACT FOR END SEMESTER PROJECT

NAME:

FeelFlix: Emotionally Intelligent Content Curation

EXPLANATION:

This is a machine learning project designed to provide personalized recommendations for music, books, and movies based on the user's detected emotions. By analyzing facial expressions or text sentiment, the system determines the user's current emotional state. Leveraging this information, it selects content that aligns with the user's mood, enhancing their entertainment experience by offering recommendations tailored to their emotional needs and preferences. Whether someone is feeling happy, sad, excited, or calm, it ensures they receive suggestions that resonate with their current emotional state, enriching their media consumption journey. By merging multiple algorithms, including Natural Language Processing (NLP) and Convolutional Neural Networks (CNNs), it adjusts recommendations based on the user's emotional context in an effort to improve their entertainment experience.

DATASET LINK:

The below given datasets are to recognize and recommend Music, Books, Movies:

[Emotion Recognition](#)

The dataset comprises centered facial images standardized in size. Each image is labeled with one of seven emotion categories: Angry, Disgust, Fear, Happy, Sad, Surprise, or Neutral, making it suitable for emotion recognition tasks.

[Music](#)

The music emotion dataset contains audio tracks annotated with emotional labels, enabling the analysis and classification of music based on emotional content.

[Books](#)

The book recommendation dataset consists of various ratings assigned to each book depending on which they are recommended based on the emotion.

[Movie](#)

The positive-negative book recommendation dataset classifies books into two categories: positive and negative emotions. It enables tailored book suggestions based on emotional preferences.

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