

# MOVIE RECOMMENDATION BASED ON FACIAL EMOTION RECOGNITION





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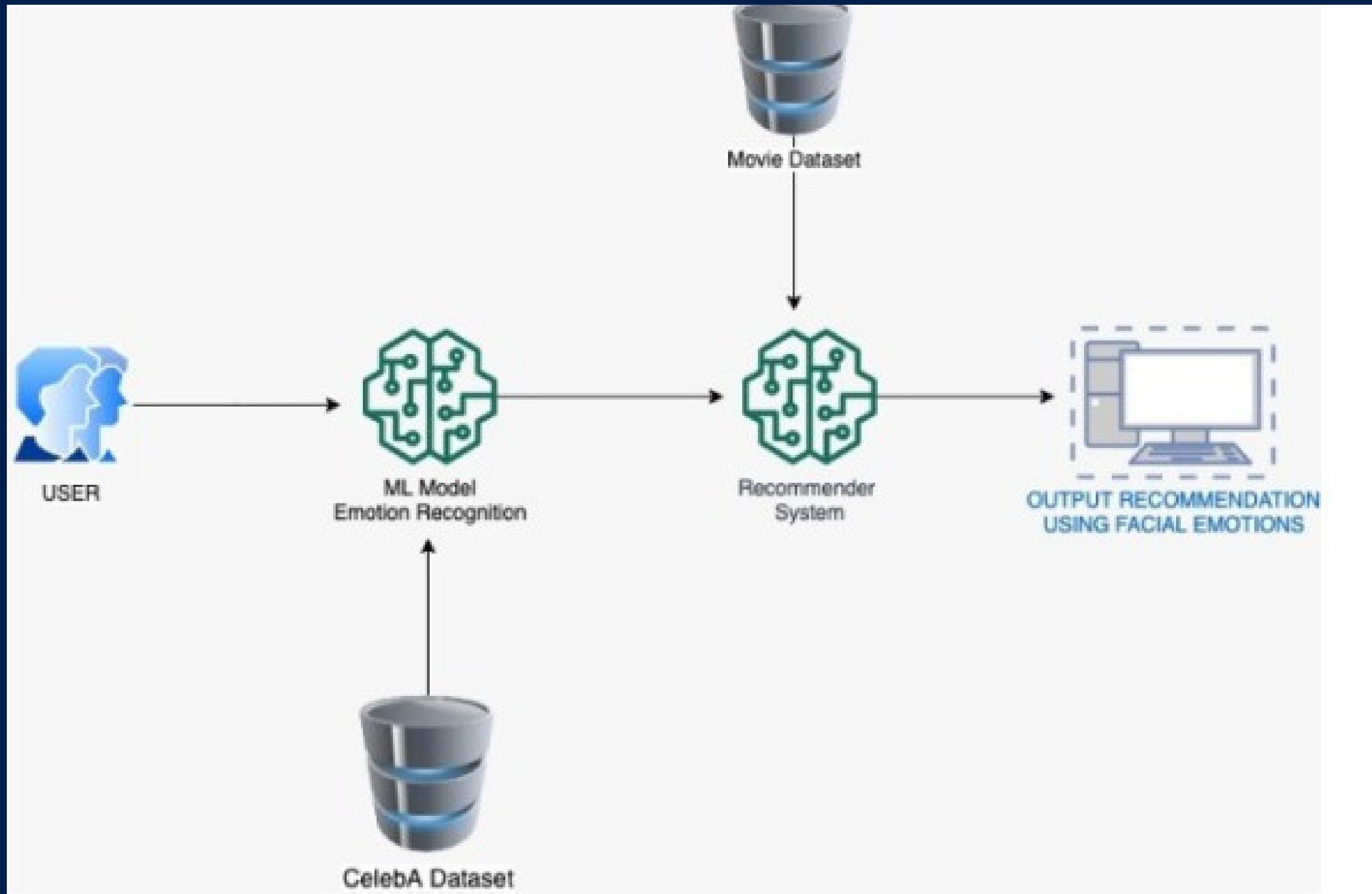
## Mentor:

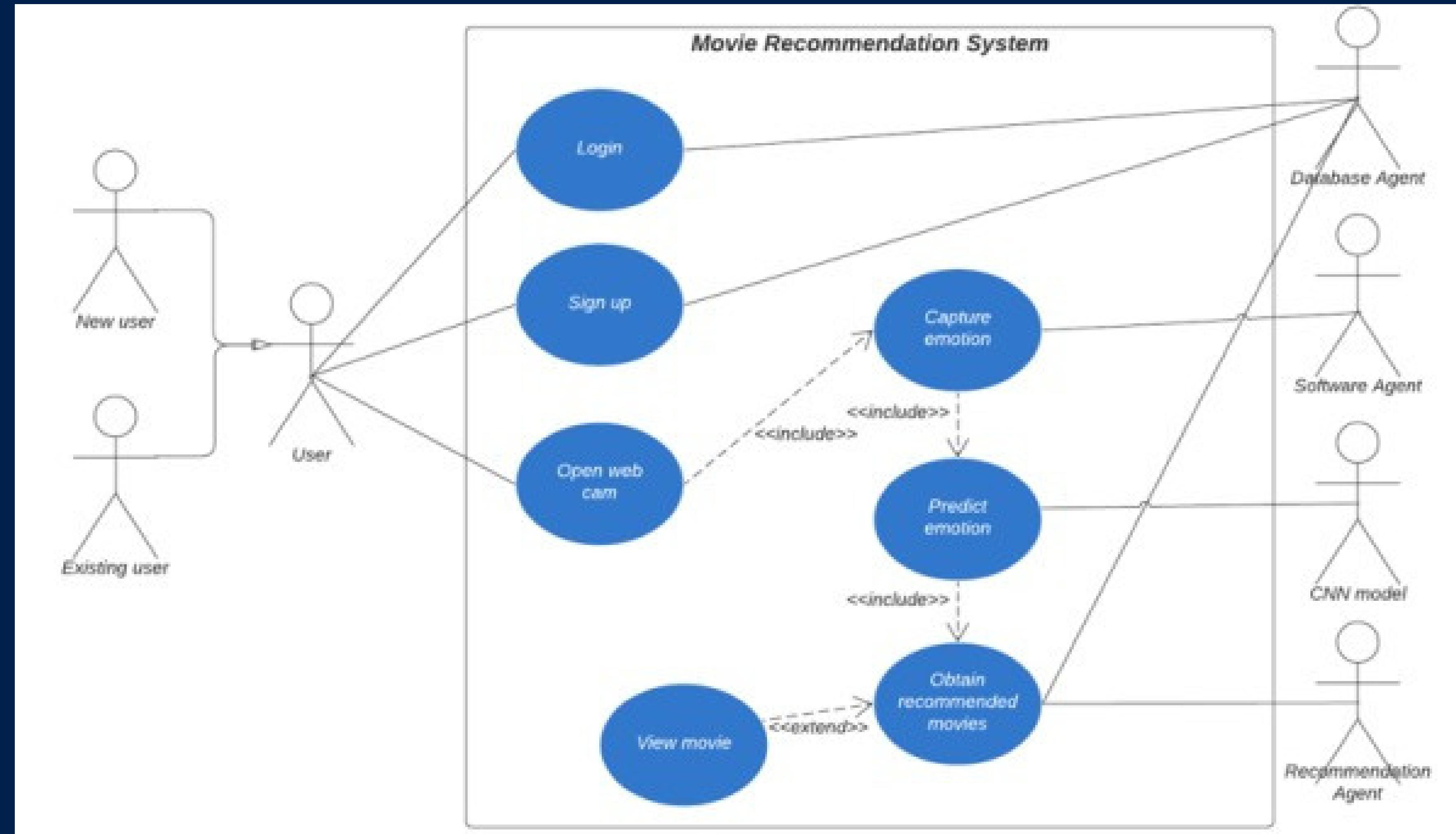
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# Proposed System

The proposed movie recommendation system aims to enhance the existing movie recommendation approach by incorporating facial expression analysis. It leverages computer vision and machine learning techniques to analyze facial expressions and emotions of users while they watch movies. This system employs facial recognition algorithms to detect facial landmarks and track subtle changes in facial expressions, such as smiles, frowns, surprise, and joy.

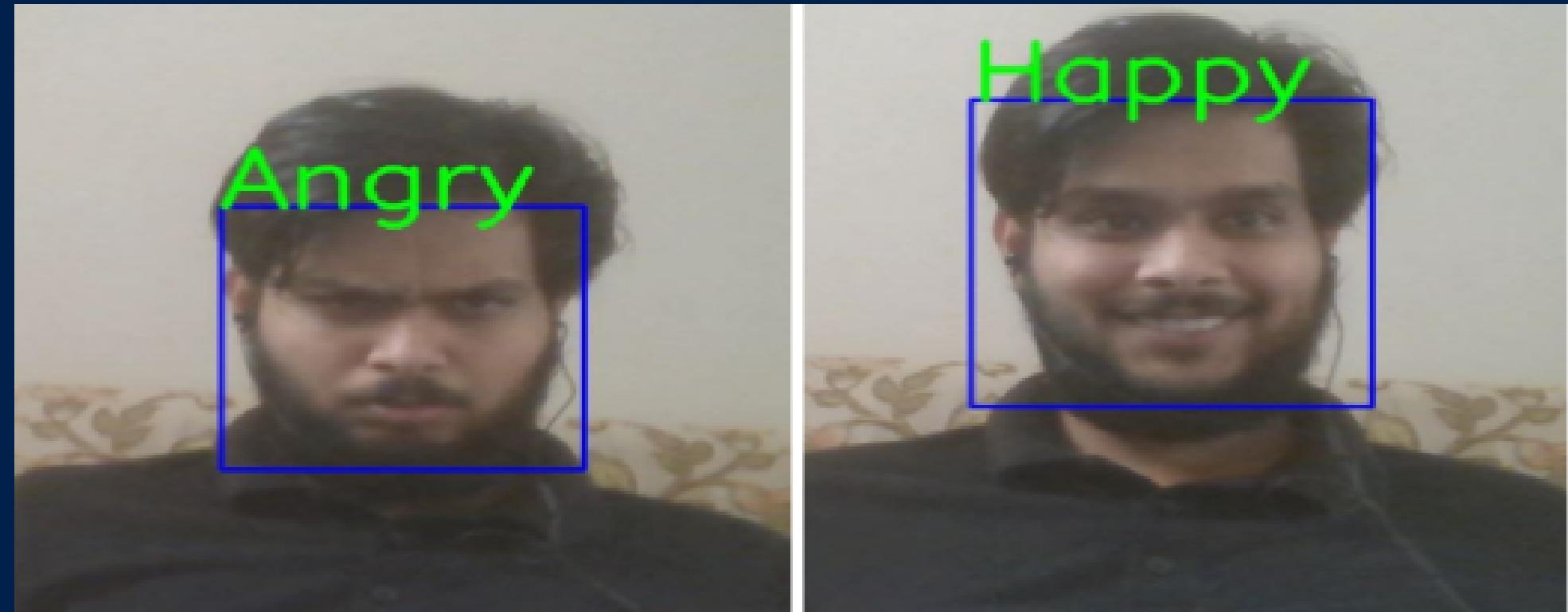
# Block Diagram of Proposed System





# Implementation

- The implementation of movie recommendation system using face emotion recognition involves a multi-step process. First, you need to collect a diverse dataset of facial expressions from users watching movie trailers or clips. Preprocess and label the data for training the emotion recognition model, using deep learning techniques like Convolutional Neural Networks (CNN) or pre-trained models like OpenCV. Next, integrate this emotion recognition model into your movie recommendation system. When users access the system, their webcam captures facial expressions, and the emotion recognition model analyzes them to determine their emotional state.



# Feasibility

- "Movie recommendation using face emotion recognition," appears to be a fascinating and innovative concept that leverages emerging technologies. The feasibility of this project depends on several key factors. Firstly, the accuracy and reliability of the face emotion recognition system will play a pivotal role in determining the success of movie recommendations. Adequate training data and robust machine learning algorithms are crucial in achieving accurate emotion recognition.

# Web App (VNRFLIX)

VNRFLIX

Home Happy Sad Angry Surprise Recommend Movies

Cobra Kai

Play My List

This Karate Kid sequel series picks up 30 years after the events of the 1984 All Valley Karate Tournament and finds Johnny Lawrence on the hunt for r...

NETFLIX ORIGINALS

LUCIFER Record of Ragnarok

Activate Windows  
Go to Settings to activate VNC

< C A ☆ ⊞ ⊞

localhost:3000/happy

VNRFLIX Home Happy Sad Angry Surprise Recommend Movies

# Jathi Ratnalu

Play My List

Srikanth and his friends Sekhar and Ravi head to the city in pursuit of some izzat. Once there, they realize that maybe they were better off back home...

## Happy Movies

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localhost:3000/happy

VNRFLIX Home Happy Sad Angry Surprise Recommend Movies

Jathi Ratnalu Official Trailer | Naveen Polishetty | Anudeep KV | Swapna Ci... Share Info

Activate Windows  
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# Future Scope

- The future scope for the movie recommendation system using facial expressions includes advancing facial expression analysis algorithms, incorporating real-time emotion detection, and exploring multi-modal data fusion. Personalization and adaptation, contextual recommendations, and collaborative filtering with facial expressions are also key areas for development. Additionally, integrating the system with mobile and wearable applications, partnering with streaming platforms, and addressing ethical considerations and user privacy are crucial. These advancements will enhance the accuracy of recommendations, provide instant feedback, and improve the overall movie-watching experience by leveraging facial expressions and contextual information to personalize recommendations.

# Queries



# Thank You

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