

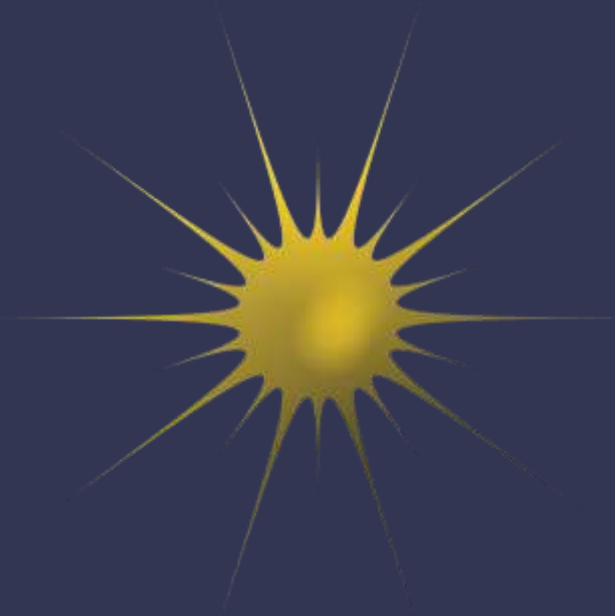
ManoRaag

AI-Based Emotion-Aware Music Recommender System

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Coordinator : Pradyumna v

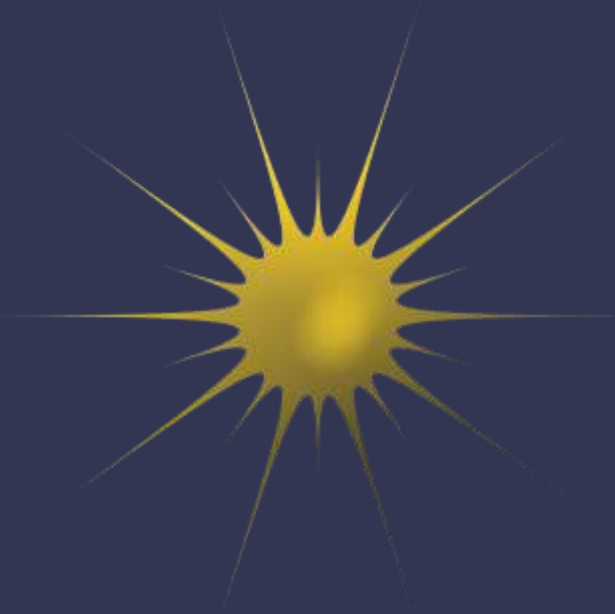
→ Presented by ManoRaag Team



Introduction to ManoRaag

ManoRaag bridges the gap between human **emotions** and personalized **music** recommendations, leveraging advanced AI and emotion-detection technology to enhance listening experiences tailored to individual emotional states.

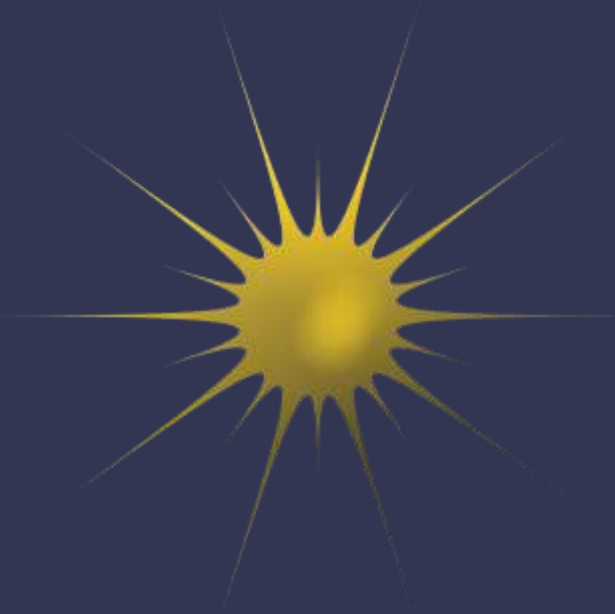




Problem Statement

Many people face the **frustrating challenge** of finding songs that resonate with their current emotions, leading to missed connections between music and personal experiences.



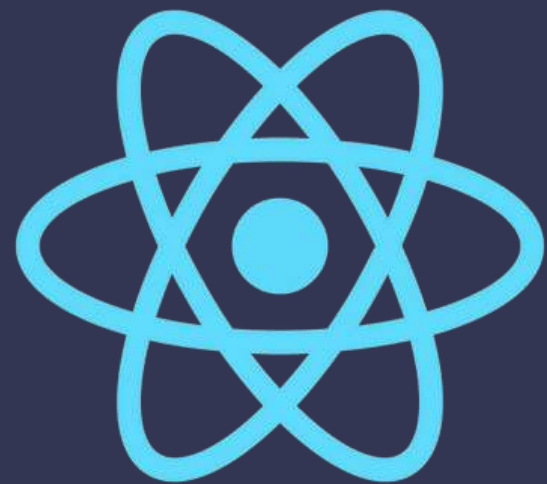


ManoRaag Solution

ManoRaag utilizes **AI-based emotion detection** to analyze facial expressions and seamlessly recommend YouTube songs that perfectly match the user's current mood, enhancing their listening experience.



Technology Stack



Reac



Flask



Firebas
e



Tensorflow

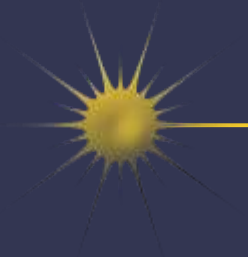


OpenC
V



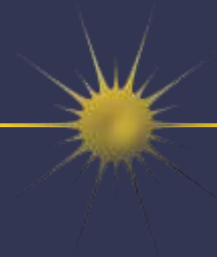
Spotify
API

ManoRaag Workflow



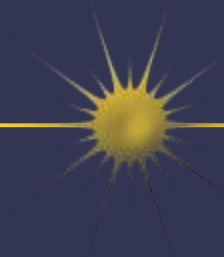
User Uploads

The user uploads a photo for emotion detection.



Emotion Detection

AI analyzes the photo to identify the user's emotion.



Song Recommendation

Spotify API provides songs that match the detected emotion.

Emotion-Based Playlists



Pop Playlist



Acoustic Playlist



Energetic Tracks



Wonder and Awe Playlist



Metal
Playlist

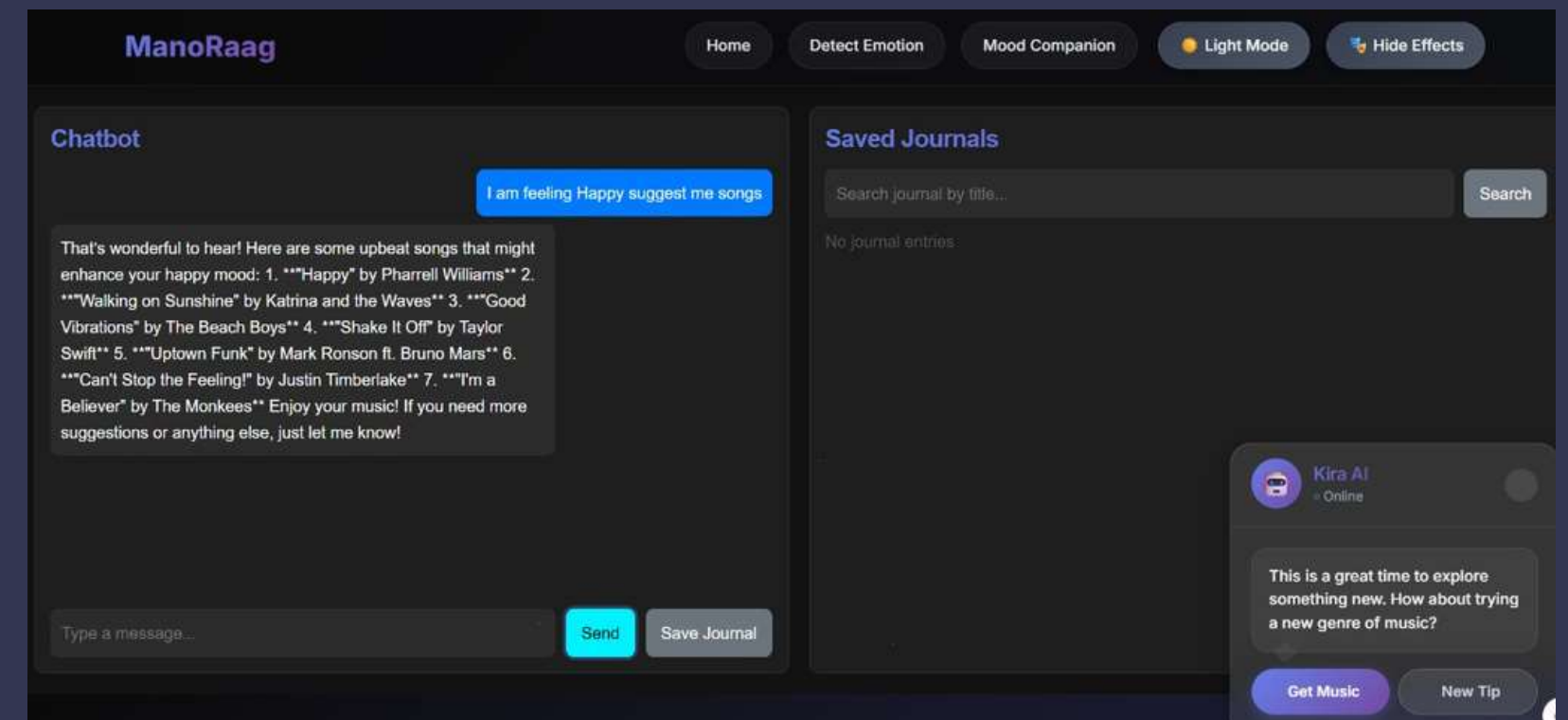
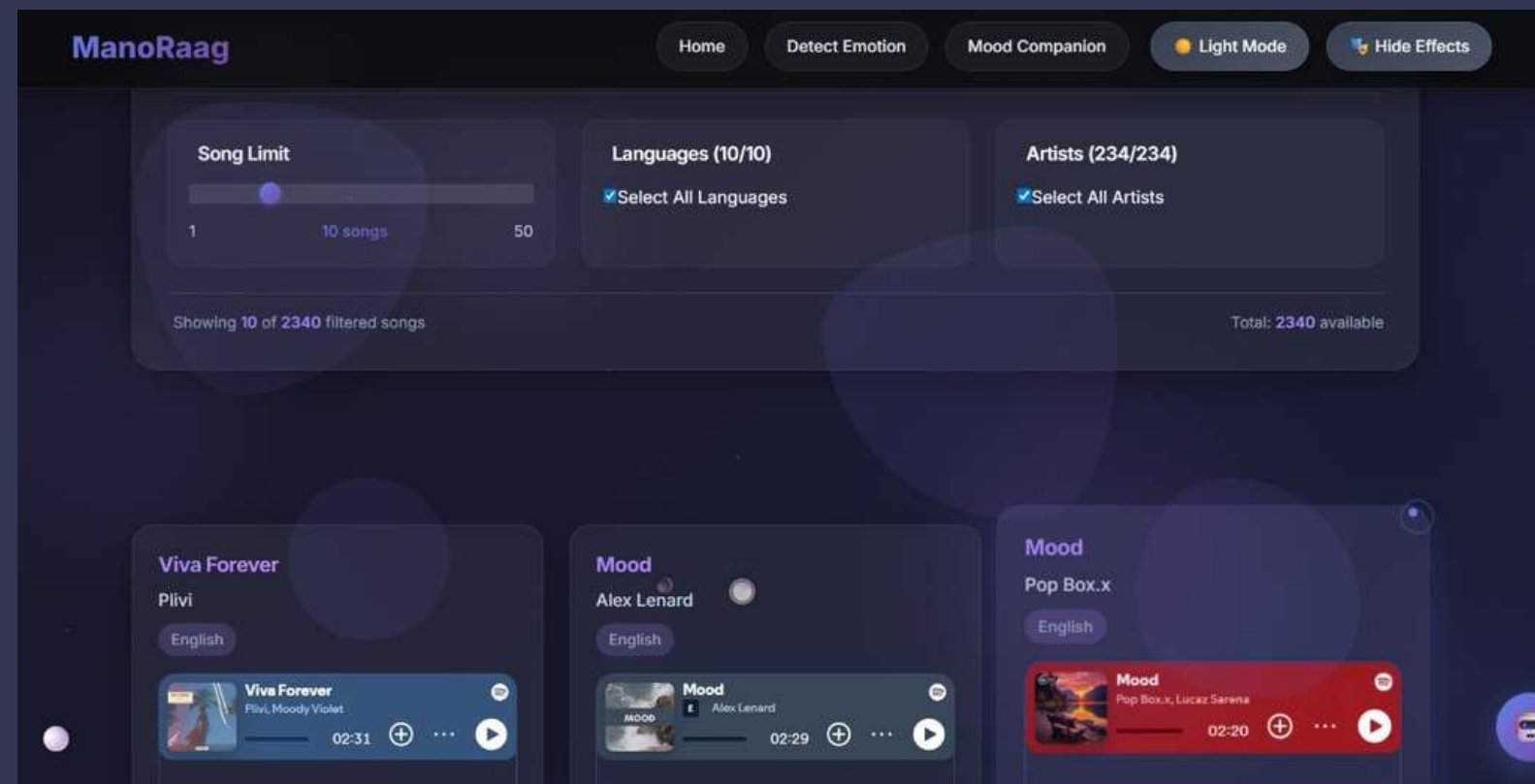
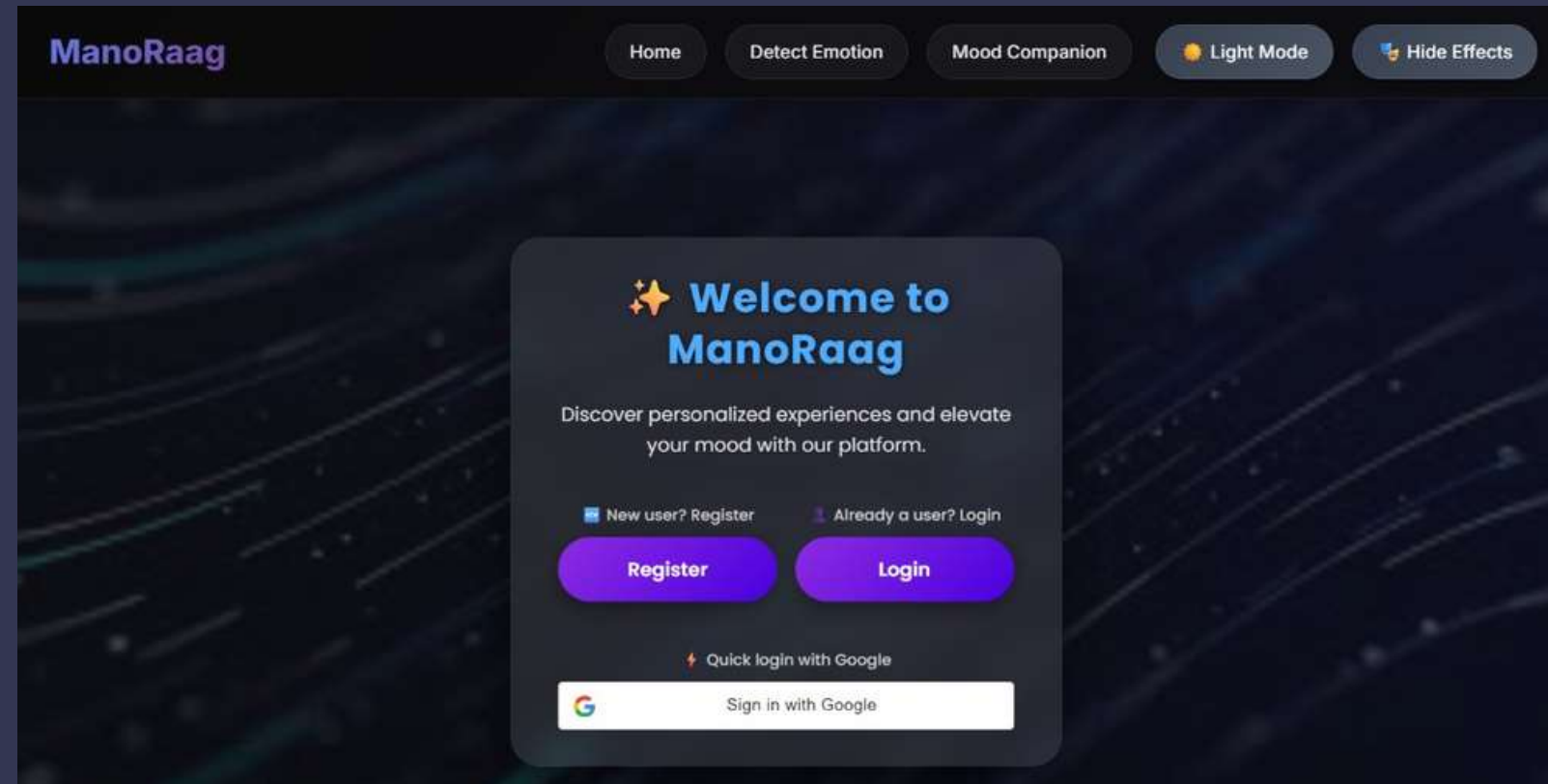


Chill
Playlist



Ambient Playlist

ManoRaag in Action



Future Scope



Multi-Model Emotion Detection



Personalized Emotion Profiles



Mental Health & Wellbeing



Cross-Industry Expansion



Social & Community Features





Thank you!

