# Mood Tune:
# Where Music Meets Mood

*Seamless Integration of Music, Mood, and Location*

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## The "NEED"

Mood Recognition: Static playlists cannot adapt to changing moods or activities throughout the day.

Environmental Disconnect: Your music often does not take into account the listener's environment which can significantly impact the appropriateness of a playlist
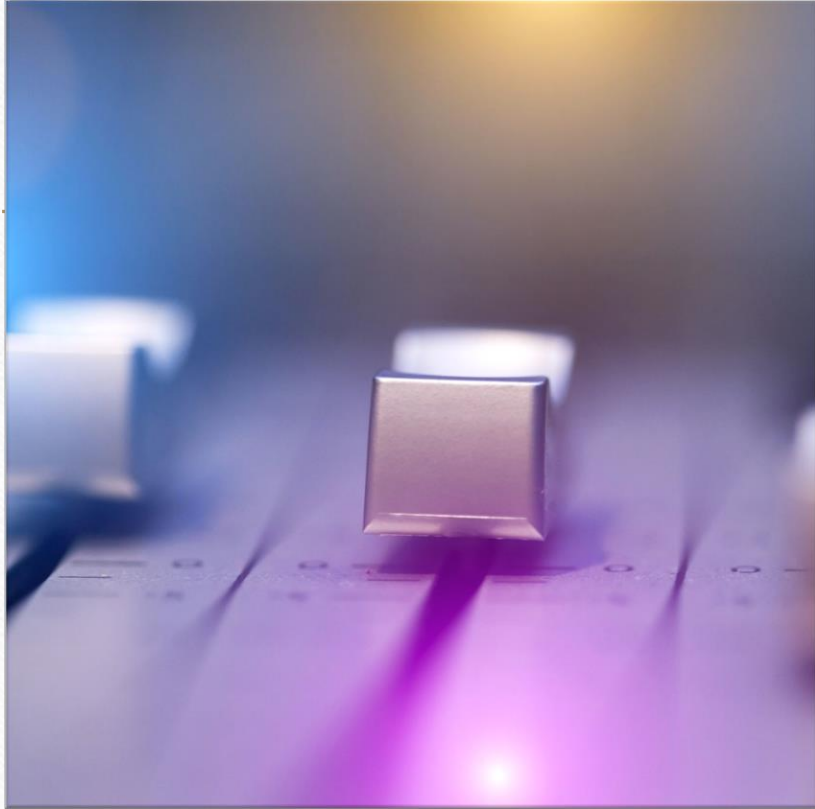
high-energy music during a relaxing evening walk can be jarring

**The disconnect between mood and your soundtrack**

# The Solution: Mood Tune



### WHAT IS MOOD TUNE:

*Its core functionality revolves around integrating user data like location facial expression to automatically adjust the music you hear.*

- *Soundtrack adapts based on your emotions state (Happy, Sad, Angry)*

- *Soundtrack adapts with respect to your location*

*Automatic Selection:*

- *Gives the seamless experience without you thinking about that*

# How MoodTune works

-Face Detail Monitoring: Uses FaceApi with Trained Models.

- Location Services: Get user's location with Google Maps Api and Place APi

- Audio Mode Profiling: Customable with different Spotify users that are set up with Mood and location data.

- User Accessibility: Has the ability to place the tracks using a player I build

# *Technology*

- I used React to Implement MoodTune
- I integrated a Recommendation algorithm in my backend with JS
- Sportipy API: I incorporated a sportify API to collect sportify data
- Maps API: Google Maps & PlaceAPI
- WeatherAPI: Used the OpenWeatherAPI to get the Weather data
- FaceApi: Used FaceAPI with Trained Models to get expression

# *Future Directions*

- *Dynamic Experience:* Automatic mode switching based on the user's environment.

- *TC2: Platform Expansion:* Plans to make MoodTune available on Android and other smart devices, expanding our market reach and user base.

- *Social Sharing Features:* Introduce options for users to share their mood-based playlists and experiences on social media, fostering a community around music and emotion.

# IMPACT

- Enhanced Listening Experience:

MoodTune usage on a daily life will range from improving workouts with energizing music to aiding relaxation with soothing tunes, all without the user having to lift a finger.