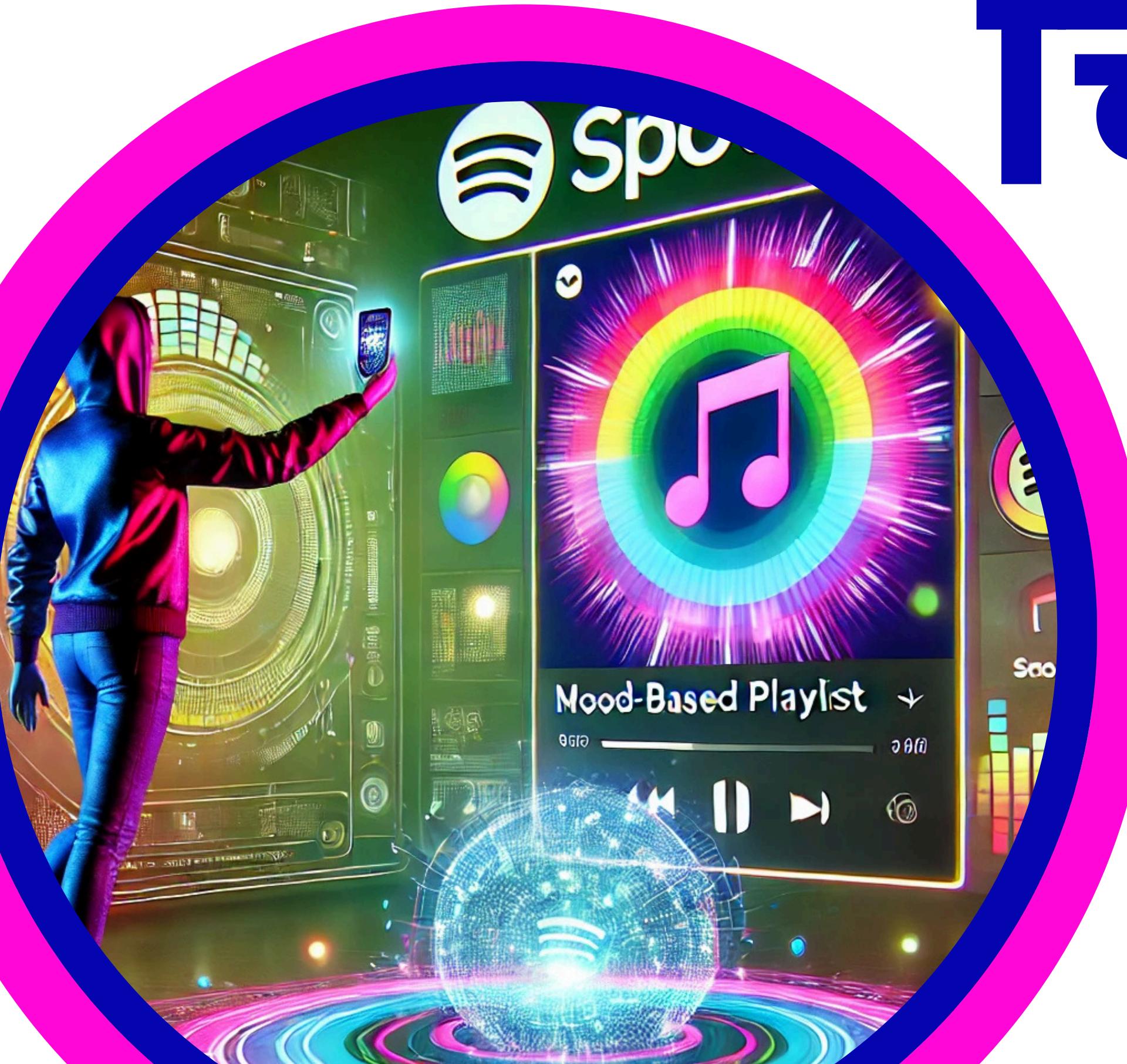


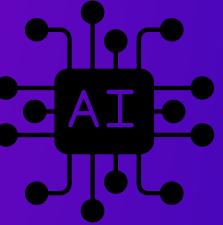
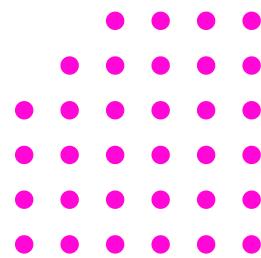


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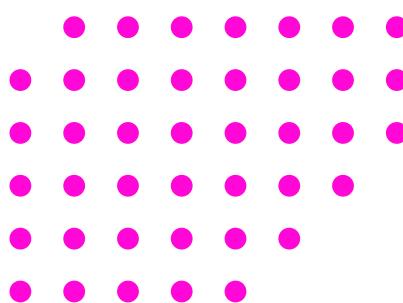
Mood-Based Playlist
Generator via Selfie

Team Chasing Horizon :
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Eng. Sci. , BTech 1st year , IITH



💡 THE PROBLEM

- Music plays a huge role in setting or matching our mood.
- It's time-consuming to find the perfect playlist that fits how you're feeling.
- Lack of seamless, mood-based music curation for individuals.



• MOOD-BASED PLAYLIST GENERATOR

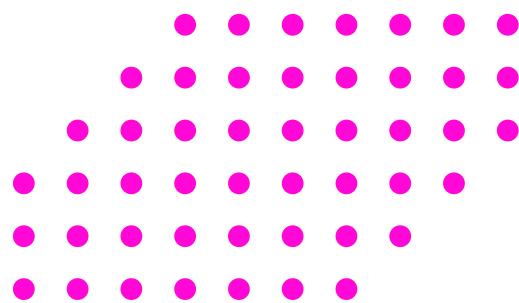


- A web app that uses AI to detect your mood from your selfie.
- Recommends and plays a Spotify playlist tailored to your mood.
- Simple, intuitive, and fast—no manual searching required.

• HOW IT WORKS

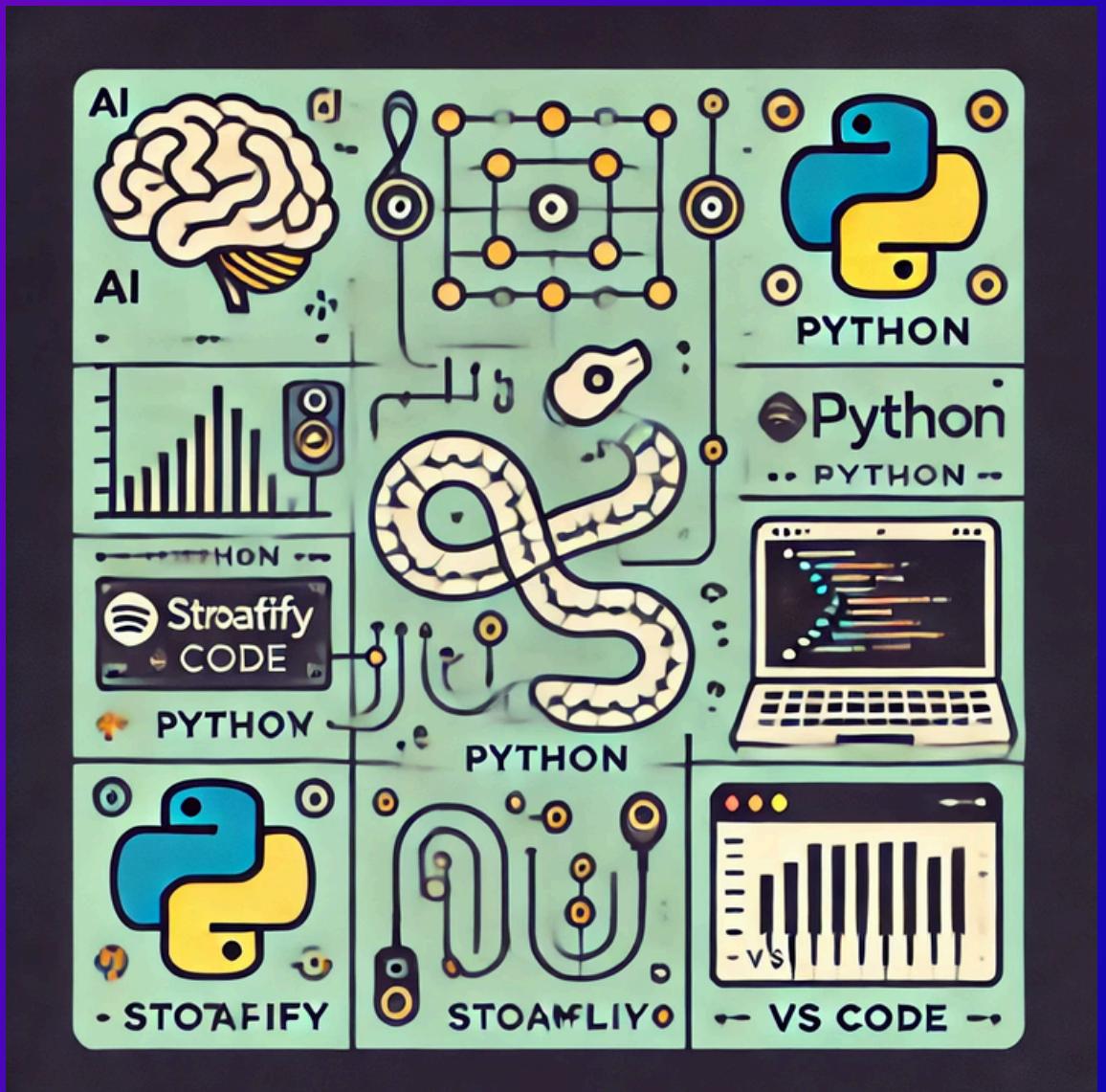
~~~~ **Step-by-Step Process**

1. Upload a selfie (for now it is manual).
2. AI detects the mood using facial expression analysis.
3. Spotify's API generates a playlist matching your mood.
4. Click and play instantly!



# Technologies Used

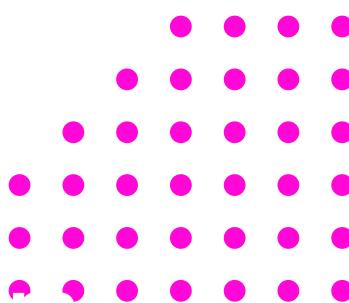
- AI/ML: DeepFace Library: Facial expression recognition for mood detection.
- Backend Integration: Spotify API: Playlist curation.
- Frontend: Streamlit: Web-based user interface.
- Environment: VS Code: Development and debugging.



# Implementation Overview Architecture

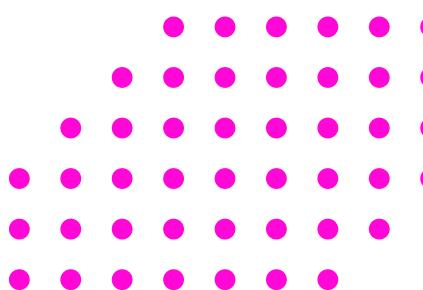
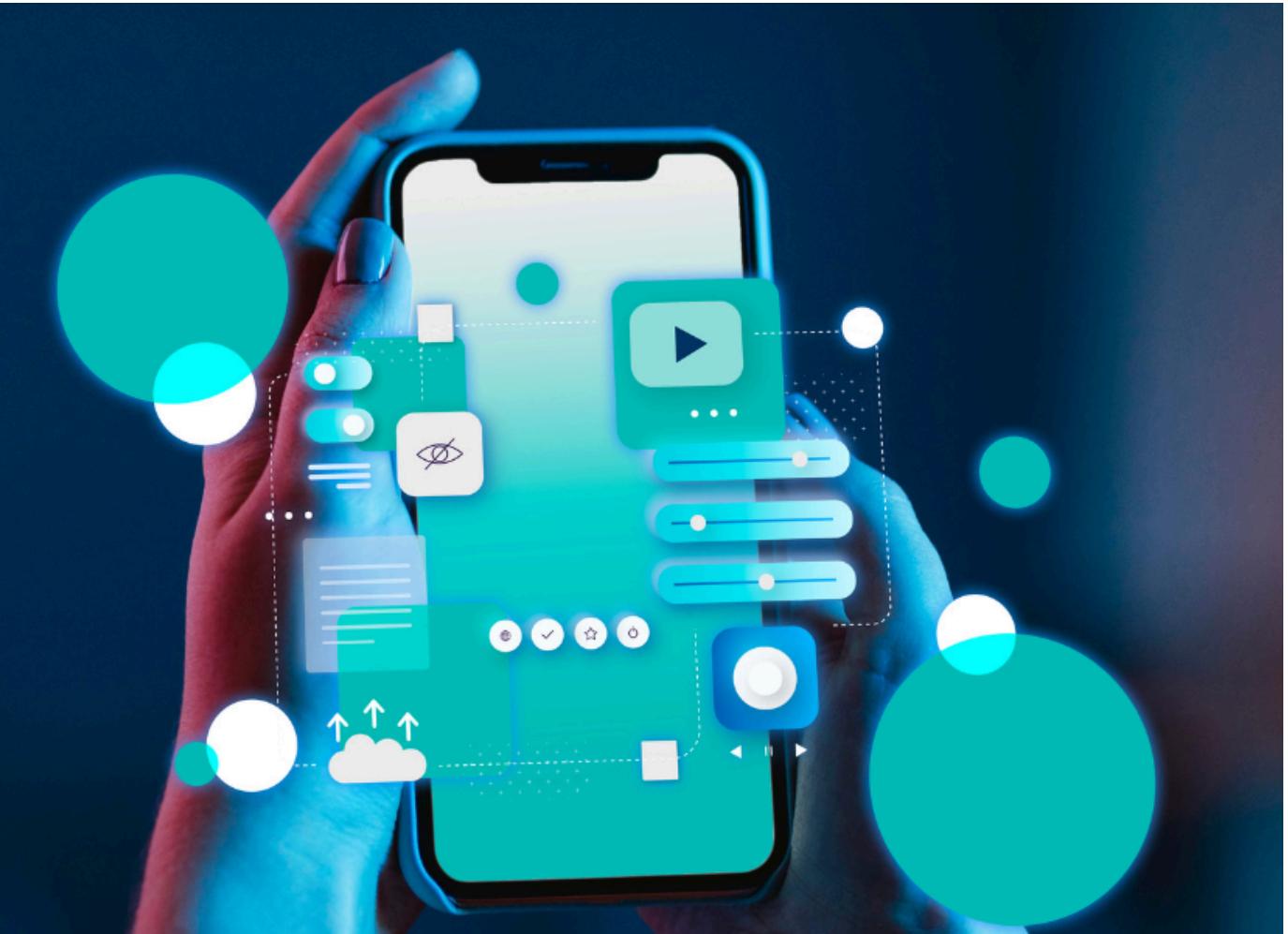
Input (Selfie) → Emotion Detection → Playlist  
Recommendation → Output (Spotify Playlist).

- Key Files:
- `emotion_detection.py`: Mood analysis logic.
- `spotify_integration.py`: Spotify API connection.
- `app.py`: User interface.



## • FUTURE APPLICATIONS

- Mood-based recommendations for movies, books, or podcasts.
- Integration with mental health apps to uplift moods.
- Custom playlists for group moods (e.g., parties or gatherings).





## • OUR VALUE PROPOSITION

- Combines the power of AI and music streaming to solve a real problem.
- Easy-to-use interface for all audiences.
- Scalable for multiple domains beyond music.



THANK YOU !