



Title	Personalized Music Recommendation App
Created by	Harsh Dadwal
GitHub Repository	github.com/bhookhakela/Personalized-Music-Recommendation-App

Description and Goal

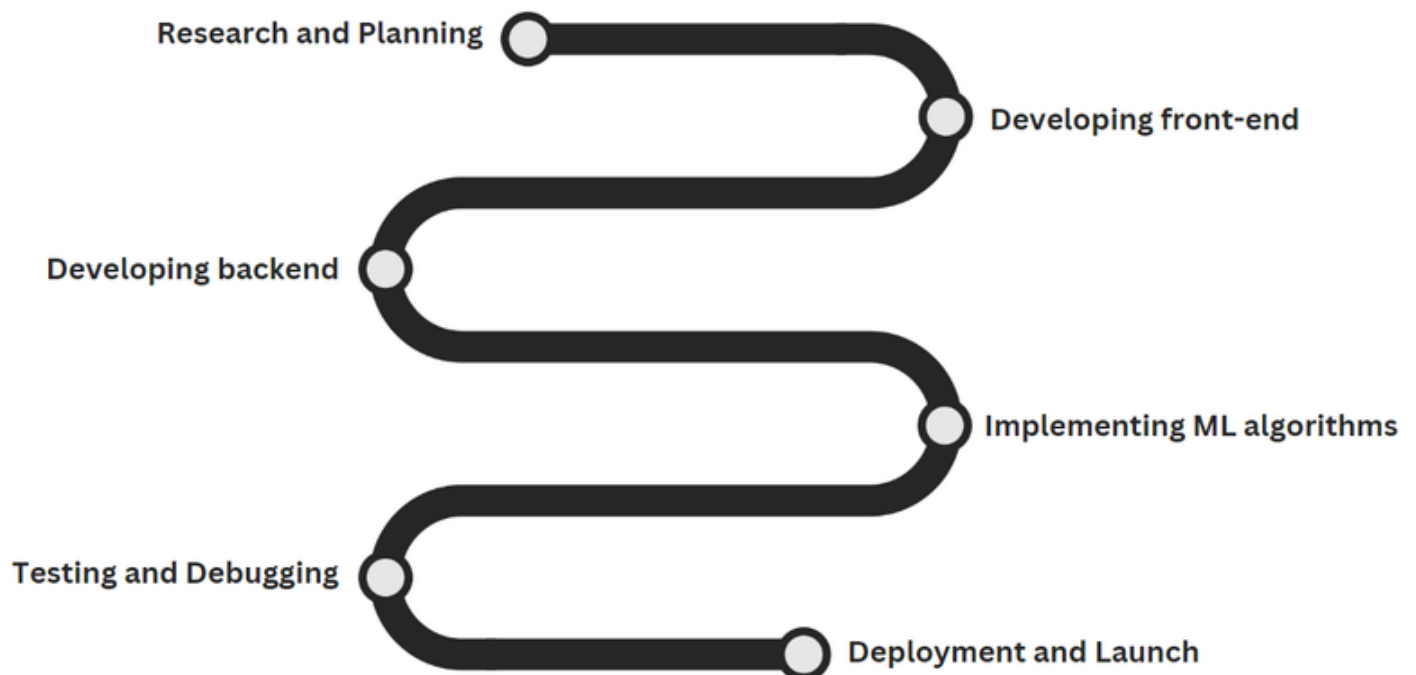
We will make a Personalized Music Recommendation App to enhance the listening experience by suggesting songs and playlists tailored to the listener's music taste. We intend to create a more comprehensive machine learning algorithm that better understands a listener's music preferences and moods and adopts a more holistic approach.

Problem	Solution
Music recommendations are based only on limited criteria - Artist, Genre, and Timeline. A user listens to the music for the sound and the 'emotion' related to it, which are not incorporated in recommendation systems.	We intend to fabricate a system that analyzes the 'emotion' or the 'mood' of the song, by analyzing the characteristics of the song such as Speed of beats, instruments used, chord structures, audio features, etc.

Scope and Methodology

1. Programming Language: Python
 2. Machine Learning Libraries: Scikit-Learn, TensorFlow, NLTK
 3. Cloud Services: Amazon Web Services (AWS)
 4. Database Management Systems: MySQL
 5. App Development SDK: Flutter
-

Flow of Events



Deliverables

A personalized music recommendation app has great potential for future growth and success. With the increasing popularity of music streaming services, there is a growing demand for personalized music recommendations to help users discover new and exciting music.

1. Expansion of User Base: As the app gains popularity and users share their playlists and recommendations with their friends, the app's user base can expand rapidly. This can create a network effect, where more users lead to more personalized recommendations
2. Monetization Opportunities: There are several monetization opportunities for a personalized music recommendation app, including in-app purchases, subscription services, and advertising. As the app's user base grows, these monetization opportunities can become more lucrative.
3. Integration with Smart Devices: personalized music recommendation app can integrate with these devices to provide users with a seamless music listening experience across all their devices.