

PREFACE

In today's busy and hectic world, music plays an important role in enhancing one's mood and motivates us to do better. Music can be a therapy, a hobby, or even a profession to someone. There are numerous devices coming up with built-in virtual assistants like Apple's Siri, Amazon's Alexa, and so on, which recommend customized choices of songs based on user data. Researchers are still thinking of innovative ways of making this technology better. Context based, voice emotions based, location based, etc., are some of the broad aspects on which the recommendation engines are being built. It is very fascinating how technology is evolving to such an extent that one can provide a set of songs to a person based on their mood.

In this project work, I have built a music recommendation system based on emotions recognized from facial expressions. It is implemented in a simple way in Python using mediapipe, keras, OpenCV, and streamlit.

I have put effort to write this project report in an easily understandable language. Hence, I would like you to go through this report and find some useful insights.