EMOTION AWARE MUSIC RECOMMENDATION SYSTEM

A
Project Report
Submitted in partial fulfilment of the
Requirements for the award of the Degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE & ENGINEERING

By

SAI SUMAN CHITTURI

1602-18-733-097

PRANEETH KAPILA

1602-18-733-116

Under the guidance of

Dr. T. ADILAKSHMI

HEAD OF THE DEPARTMENT

Department of Computer Science & Engineering

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Ibrahimbagh, Hyderabad-31

2022

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering

DECLARATION BY THE CANDIDATE

We, **SAI SUMAN CHITTURI** and **PRANEETH KAPILA,** bearing hall ticket numbers **1602-18-733-097** and **1602-18-733-116**, hereby declare that the project report entitled **"EMOTION AWARE MUSIC RECOMMENDATION SYSTEM"** under the guidance of **Dr .T. ADILAKSHMI,** HOD, Department of Computer Science & Engineering, VCE, Hyderabad, is submitted in partial fulfilment of the requirement for the award of the degree of **BACHELOR OF ENGINEERING** in **COMPUTER SCIENCE & ENGINEERING**.

This is a record of bonafide work carried out by us and the results embodied in this project report have not been submitted to any other university or institute for the award of any other degree or diploma.

SAI SUMAN CHITTURI,
1602-18-733-097.
PRANEETH KAPILA,
1602-18-733-116.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering

BONAFIDE CERTIFICATE

This is to certify that the project entitled **"EMOTION AWARE MUSIC RECOMMENDATION SYSTEM"** being submitted by **SAI SUMAN CHITTURI** and **PRANEETH KAPILA,** bearing hall ticket numbers **1602-18-733-097** and **1602-18-733-116,** in partial fulfilment of the requirements for the award of the degree of **BACHELOR OF ENGINEERING IN COMPUTER SCIENCE & ENGINEERING** is a record of bonafide work carried out by them under my guidance.

Dr. T. Adilakshmi,
Professor & HOD,
Internal guide

Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE

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SAI SUMAN CHITTURI,

1602-18-733-097

PRANEETH KAPILA,

1602-18-733-116.

Abstract

Music is an essential part of our regular life. It cheers us up and makes us feel better. Not all forms of music are appropriate for every mood. Furthermore, ever-growing digital music catalogues make it virtually impossible to recollect a specific tune that fits the present emotion. Besides that, due to the enormous number of songs accessible, people are frequently perplexed when selecting a track. This necessitates the development of a context-sensitive music recommendation system.

Therefore, we present a context-aware music recommendation system that assists in identifying the user's current emotion and suggesting music which is relevant to that emotion. We have come up with a comprehensive strategy to improve user preference prediction; our technique integrates context and emotion elements and strives to give users a more convenient, intuitive, and pleasurable listening experience. Finally, we discuss the evaluation and performance metrics and results of our research.

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