Personalised Music Recommendation System using NLP

Creating a personalised music recommendation system using NLP on the song lyrics and suggesting similar songs based on the NLP model's output

Team Members

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DM-USIC will be music hosting website where users will be able to listen to music and get personalized music recommendation based on their current emotional state in real time. The emotional state of the user can be detected with the help of a trained NLP model in real time through the song's lyrics. The users emotions are initially planned to be segregated into:

The detected emotion is then fed into the NLP model which suggests an apt music for that emotion based on the users past data and data of music from the database.

OBJECTIVE

For human beings the concept of music and emotions are two things that go hand in hand and the objective of the myu4u project is to make use of this connection between them to improve the efficiency of music recommendationsystems and cater to the user's need in real time.

There has been a growing need for an accurate recommendation systems which understands the user and the go to way method to understand a person is to first understand their emotion and this would certainly make any recommendation system a great success in the market.
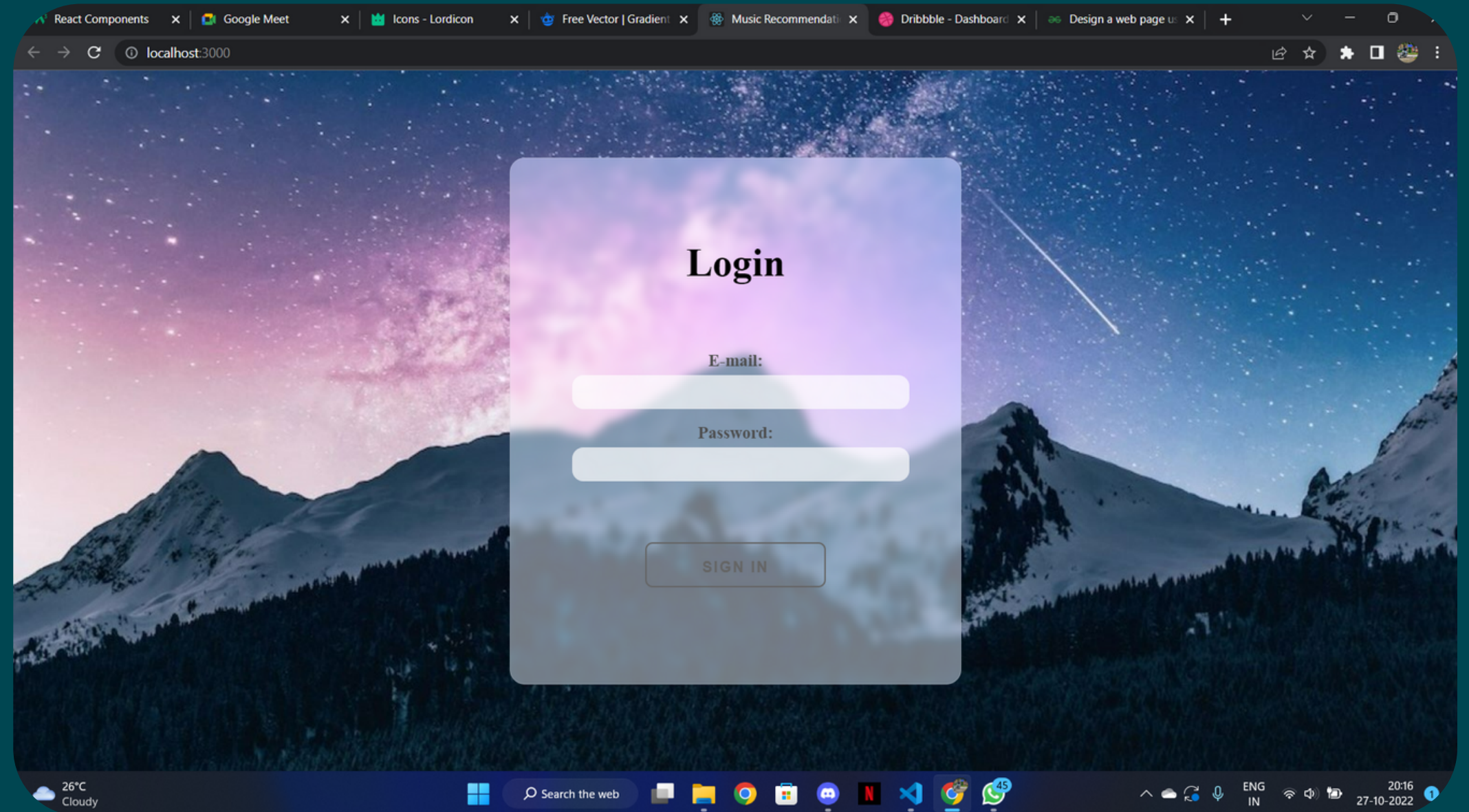
Domain:

- Full Stack Development

- Natural Language Processing

Tech Stack:

- React js
- Node js
- SQl
- Python
- Rest API

Progress:

- Creation of login page
- Collection of songs to be hosted
- Creation of home page in progress

THANK YOU