TEAM 2_Synopsis

Project Synopsis

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SmartOx - Music Recommendation and Classifier

Abstract

With the growth of the internet in recent decades, it has become the primary source for retrieving multimedia material such as video, literature, and music, among other things. People regard music to be a significant part of their lives, and they listen to it on a regular basis. The issue now is how to organise and manage the millions of music titles that society produces. A smart music recommendation system should be able to detect preferences automatically and produce playlists based on them. The suggested technique uses music similarity to detect plagiarism in music.

Aim

To develop an application that describes the users personalized taste in music and recommends similar songs and genres to the end user.

Tools

- Python
- Tensorflow (Framework to create a classification model)

Method

- Access a dataset with a large collection of music along with their relevant genres
- Create a machine learning model with the ability to classify music based on genre
- Collect user data
- Use our ML model to find all relevant genres and compile a collection of songs from the above genre
- Send the compiled list of music to the end user

Conclusion

This application lets us dive deeper into the practical applications of AI and ML. Providing useful insights and preferences.
