



# NEXT GEN EMPLOYABILITY PROGRAM

| Creating a future-ready workforce

Team Members

Student Name : **Diana Jose.J**

Student ID : **au311121104016**

College Name

Loyola-ICAM College Of  
Engineering And Technology.

# CAPSTONE PROJECT SHOWCASE

## Project Title

**Music Web Application using Django Framework**

Abstract | Problem Statement | Project Overview | Proposed Solution |  
Technology Used | Modelling & Results | Conclusion



## Abstract

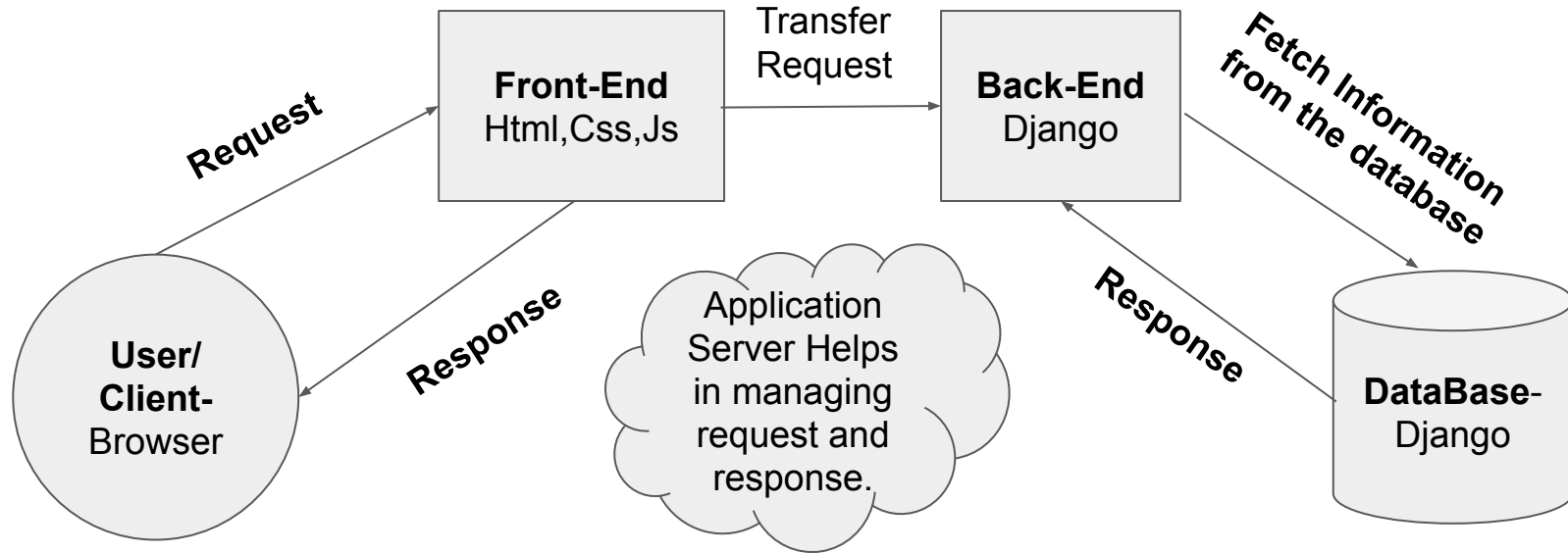
- Developed a music application using various technologies such as Django, JavaScript, HTML, and CSS. Django was used for the database, while Node.js was used for the backend.
- HTML, CSS, Bootstrap and JavaScript were used for the front-end development. Our application offers various functionalities such as accessing music libraries, creating your playlists, logging in to your profile, and much more.

## Problem Statement

To develop a music application using languages:

- HTML, CSS, and JavaScript for the front-end development of the application.
- Django for the backend development and database management,

## Project Overview



## Proposed Solution

- Developed a robust and feature-rich music application using some of the most advanced technologies in the market.
- The application was created using a combination of Django, JavaScript, HTML, and CSS, which allowed us to build a highly efficient and scalable music platform.

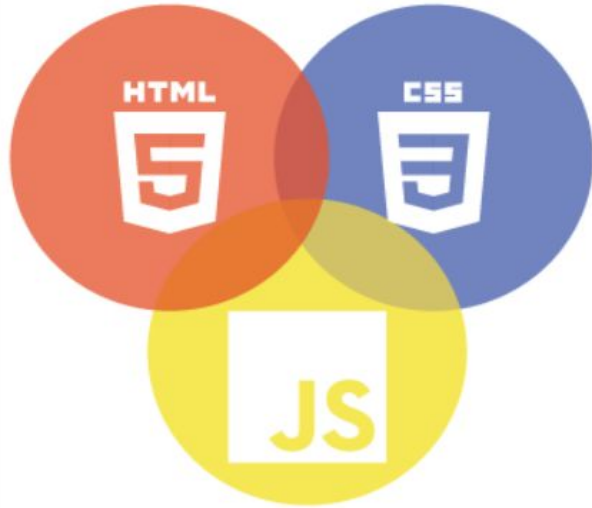
- Our application is designed to meet the diverse needs of music lovers, and it offers a wide range of functionalities that make it stand out from the rest.
- We utilized Django for both the database management and backend development of our application. This choice enabled us to efficiently store and retrieve data while also building a scalable and robust server-side architecture.

- For the front-end development, we used HTML, CSS, and JavaScript, which helped us create an intuitive and user-friendly interface.
- Our application comprises various music libraries, and users can easily access them to discover new music.
- Additionally, users can create their own playlists, log in to their profiles, and much more.



## Technology Used

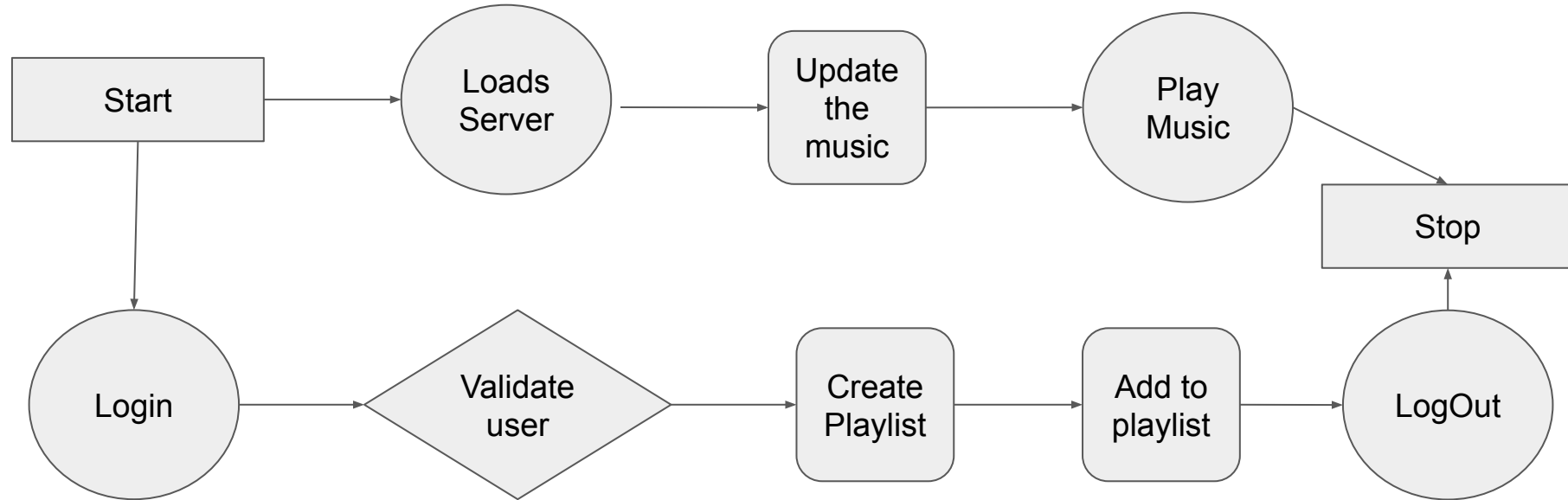
Front-end



Back-end



## Modelling & Results



## Homepage

← → ↺ ⓘ 127.0.0.1:8000 🔑 ☆ 📁 📺 🧑 Finish update ⋮

MusicBeats Home All Songs

Search

Welcome darwin1000 ▾

- Your Channel
- Upload Music
- Your Playlist
- History
- Logout

### Trending Songs



Sultana

Movie: K G F - Chapter 2

Add to playlist

Play now



Kesariya

Movie: Brahmastra

Add to playlist

Play now



Jhoom Jo Pathaan

Movie: Pathaan

Add to playlist

Play now

### Your Playlist

## All Songs Page

[←](#) [→](#) [↺](#) [🔒](#) 127.0.0.1:8000 [🔗](#) [☆](#) [📁](#) [🖼️](#) [👤](#) [Finish update](#) [⋮](#)

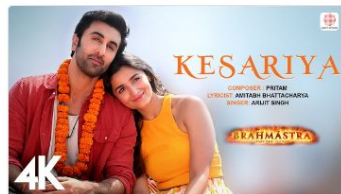
MusicBeats [Home](#) [All Songs](#)  [Search](#) Welcome darwin1000 ▾

### Trending Songs



Sultana

Movie: K G F - Chapter 2

[Add to playlist](#)[Play now](#)

Kesariya

Movie: Brahmastra

[Add to playlist](#)[Play now](#)

Jhoom\_Jo\_Pathaan

Movie: Pathaan

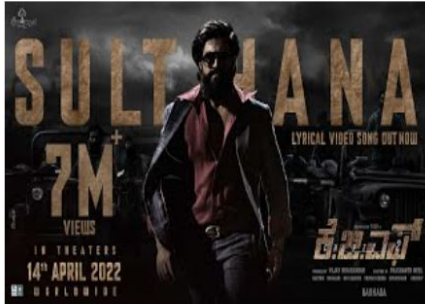
[Add to playlist](#)[Play now](#)

### Your Playlist

## Song Page

← → × 127.0.0.1:8000/musicbeats/songs/27 ☆ | 📄 🎧 Finish update ⋮

MusicBeats Home All Songs   Welcome darwin1000 ▾



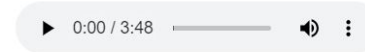
**Title: Sultana**

Category: Heroism

Movie: K G F - Chapter 2

Singer: Santhosh Venky, Varsha Acharya

Watch video song: [Click here](#)



Add to Playlist

Download Song

## History

MusicBeats Home All Songs



Toofan

Movie: K G F - Chapter 2

Play now



Mehabooba

Movie: K G F - Chapter 2

Play now

## History

## Playlist

MusicBeats Home All Songs

## Your Playlist



Natu\_Natu

Movie: RRR

Play now



Jhoomo\_Jo\_Pathaan

Movie: Pathaan

Play now



Kesariya

Movie: Brahmastra

Play now

## Upload Page

← → ↺ 127.0.0.1:8000/musicbeats/upload ☆ 📄 🗑️ 👤 Finish update

MusicBeats Home All Songs   Welcome darwin1000 ▾

### Upload Your Music

Your Music Name

Singer Name

Image Link: (Associated With Your Music)

Movie Name

Credit

Example file input

 No file chosen

## Future Enhancements:

- Another potential enhancement could be the integration of machine learning algorithms to provide personalized music recommendations based on the user's listening history and preferences.
- Additionally, the application could be made more user-friendly by improving the user interface and adding more intuitive navigation features.
- Finally, the application could be expanded to include a wider variety of music genres and artists to cater to a broader audience.



## Conclusion

We're proud of what we've accomplished with this music application despite limited resources. We're confident that it will offer a seamless and enjoyable experience for music lovers. We look forward to further enhancing its features based on user feedback.

**Thank You!**