



**GUJARAT TECHNOLOGICAL  
UNIVERSITY**

Chandkheda, Ahmedabad



**Madhuben & Bhanubhai Patel Institute of Technology**

**(A Constituent College of CVM University)**

**New V. V. Nagar**

**COMPUTER ENGINEERING DEPARTMENT**

**Summer Internship Report**

**On**



**Music Waves**

**BZULASTROM INFOTECH**

**Shanti Nagar, Dabholi circle, Ved Rd, Katargam, Surat, Gujarat 395004**

**Date of Internship: (From: 20<sup>th</sup> June, 2022 to 8<sup>th</sup> July, 2022)**

**Submitted By**

**Name of Student: Nakrani Yash Mukeshbhai**

**Enrolment Number: 190630107084**

**Summer Internship (3170001)**

**A.Y. 2022-23 ODD TERM**

# **Madhuben & Bhanubhai Patel Institute of Technology**

**(A Constituent College of CVM University)**

**New V. V. Nagar**

## **COMPUTER ENGINEERING DEPARTMENT**

### **CERTIFICATE**

This is to certify that the Internship at **Bzulastrom Infotech** has been satisfactorily completed by Yash Mukeshbhai Nakrani (190630107084), under my guidance in the fulfilment of the course Summer Internship (3170001) work during the academic year 2022-2023.

**Prof. Chetan Chudasama**  
Internal Guide

**Prof. Nirav M Raja**  
Head of Department

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## ABOUT INDUSTRY

Bzulastrom Infotech is a software company, founded on 2020 by **Mr. Amiras Desai**. Bzulastrom Infotech isn't just another web development company, but it's an establishment for global businesses to urge the technical solutions of complex business problems and wishes. We have remarkably touched every segment of the online & development industry.


We are providing services such as Mobile app development, Digital marketing, Website development, E-commerce, Android development, System software and Graphic design. We have an astonishing staff as well as tools that will deliver you the best outcome.

It is a service-based company having clients from various nations and working on numerous technologies like,

- **Mobile:** Android, React Native, Flutter
- **Frontend:** Angular, ReactJs
- **Backend:** Node JS, PHP, Python
- **Designing:** Figma, Adobe XD
- **Infra and DevOps:** AWS, GCP

# TITLE OF PROJECT: Music Waves

## Certificate:



"We have tech and ideas, you have money. Let's Build a world."

Date: 10<sup>th</sup> July 2022


TO WHOM IT MAY CONCERN

This is to certify that **Mr. Yash Mukeshbhai Nakrani** student of **Madhuben and bhanubhai patel institute of technology, Anand** has successfully completed 15 days internship programme on the topic of React at **Bzulastrom Infotech, Surat**.

During the period of his internship program with us he had been exposed to different process was found punctual, hardworking and inquisitive. We wish his every success in his life and career.

We wish his the very best in all his future endeavors.

For Bzulastrom Infotech



Authorized Signature

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# **CHAPTER 1**

## **INTRODUCTION**

### **1.1 INTRODUCTION OF MUSIC WAVES**

I am doing an internship for 15 days, in React Web Development. Company has given me project named Music Waves, in the project company has given me one module for working on it. Music Waves is a web music player, where user can play songs of their choice without any ads.

### **1.2 AIM AND OBJECTIVE**

Music Waves is a web application in which user can play music whenever they want, wherever they want. The objective behind this project is to create such a web app where user can listen various music of various artists and can enjoy them.

### **1.3 PROBLEM STATEMENT AND FUNCTIONALITY**

Music Waves is aimed at resolving these problems of music-lovers with the intention to make music more accessible at a free cost. It is our intention to provide a platform where user can listen music of their choice. Further to Artists and Music lovers, Music Waves also provide portal for uploading music to it.

## CHAPTER 2

# SYSTEM ANALYSIS AND IMPLEMENTATION

### 2.1 PROJECT DEVELOPMENT, APPROACH AND JUSTIFICATION

The system is set up after the project requirements come to the company. The one person with good knowledge of tech and business does the finalize the proper requirements and then create the ruff prototype with help of designing team. Then we'll prepare Figma for the same. After finalizing all things, the product technology gets decided, in this case, the client mentioned tech stacks are JavaScript, ReactJS, NodeJS.

Then we are using project management software like JIRA and create sprints according to priority and urgency. In that sprint, we decide the tasks that should be done. Here the company has followed the agile development. While the project is getting initial setup, the team gets formed and has been given the required information of projects so, they can start doing R & D on that. As everything gets finalized for sprint creation and approval from the client for sprints and business deals, Team Lead initializes the project base code and creates a version control system (like: GitHub) then the tasks get distributed to the developers.

In the initial stage, daily meetings are formed by Team Lead and make sure everything is working smoothly and every developer gets the objective and whether they are set on this project or not. For the first sprint, the release build gets uploaded once a week by the team lead OR whoever the task is assigned. Then after two release builds in a week, get uploaded. (Internal release). The release build gets a test by testers and as they get verified the build roll out for open testing. As sprints are closed the final build follows the same steps, but after open testing, the build gets rolled out as a release.



# CHAPTER 3

## DESIGN ANALYSIS, DESIGN METHODOLOGY AND IMPLEMENTATION STRATEGY

### 3.1 DESIGN METHODOLOGY

The prepared Figma design gets verified by the Project manager and then also gets verified by clients. Then we start the development process. It also follows iteration of design changes from the client or Project manager.

### 3.2 H/W REQUIREMENTS

The H/W for developing and deployment of this project was

- 8GB Ram
- I5 or equivalent processor
- SSD (preferable)
- Server (CI/CD)

### 3.3 S/W REQUIREMENTS

The S/W for developing and deployment of this project was

- ReactJS
- NodeJS
- PostgreSQL
- Some Extension of Visual Studio Code
- Git Version control

# CHAPTER 4

## IMPLEMENTATION

### 4.1 SYSTEM FLOW

In this project Agile Development are followed by company for development process. Agile development is one the best process for developing an industrial product. Here shows the process of agile development.

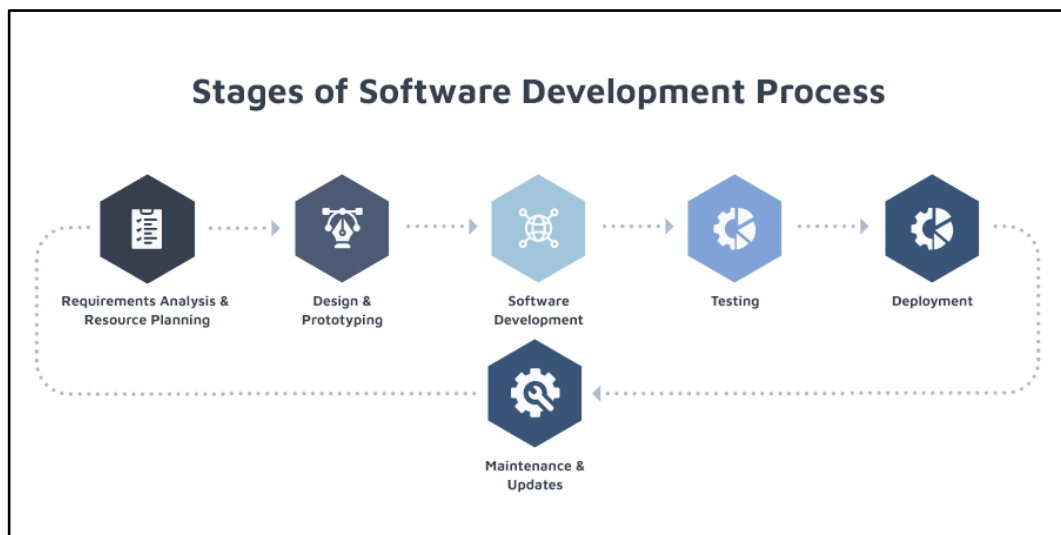


Fig. 1(a) System Flow

### ANALYSIS

At the initial level client project requirements are given to the project manager, based on requirements marketing team has done some modification based on current market. All the changes are been verify by the project owner OR cumulative project handler.

### DESIGN

After the finalization, requirements are given to the design team and system architect, and based on the requirements design team did wireframe of website, system architect and project manager both did some iteration and finalize the final outcome of website. After the wireframe, design team did the figma design for the website, there was developed 4 different UX for the user traversal, then after there was1 UX which id finalize for this project. Design team did many UI changed in final figma design file as per the instruction.

## DEVELOPMENT

Front-end development team got the figma design from design team and divide the website into multiple part and create milestone for each. In which I am part of it. The front end and backend both are managed on software like *Jira*. The track of each implementation and module are on it. Backend development team also start working on core functionality of website. DevOps setup the CI/CD for connecting them both in a way that the team can see output/result. So now, everything is working fine at this level. All the frontend and backend changes are consistently getting deployed at internal level.

## TESTING

As this project is having effect from user, we had testing team, we do every internal deployed version of website, and if they found anything buggy or non-user-centric, then they'll report it to the co-responding team. If testing team passes the internal deployed version of website, then it goes for further security testing, where the offensive team do the security testing of the website. Any security breach found in this internal deployed version of website then they'll create PoC for that and do submit it to project manager. If every testing gets pass, then it automatically deployed for production environment.

## MAINTENANCE

As website is live at this stage so testing for globally deployed website is going continuously. Along with user tracing and behaviour of user, we do change certain thing of website. Also, if any new requirements are coming from client, then also gets maintained and gets deployment after passing all 5 stages.

# CHAPTER 5

## FINAL RESULT

### 5.1 SNAPSHOT OF UI OF Music Waves

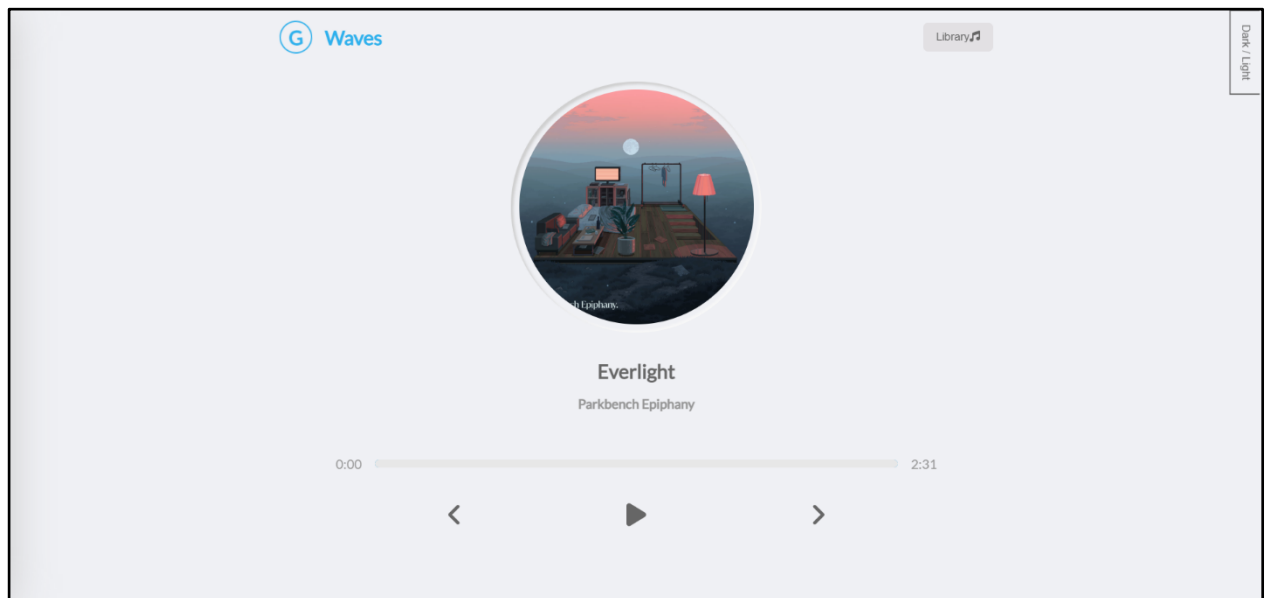


Fig. 2(a) Main Page

*Fig. 1(a)* shows the main page of the music wave website, in top of the website there is logo of website and the on right side there is button got library of music and then there is one stick button which is toggle for dark and light mode. Below that in circular format there is poster of music and then after some details there is music controls like,

- Play
- Pause
- Next
- Previous
- Progress bar (can be seek)

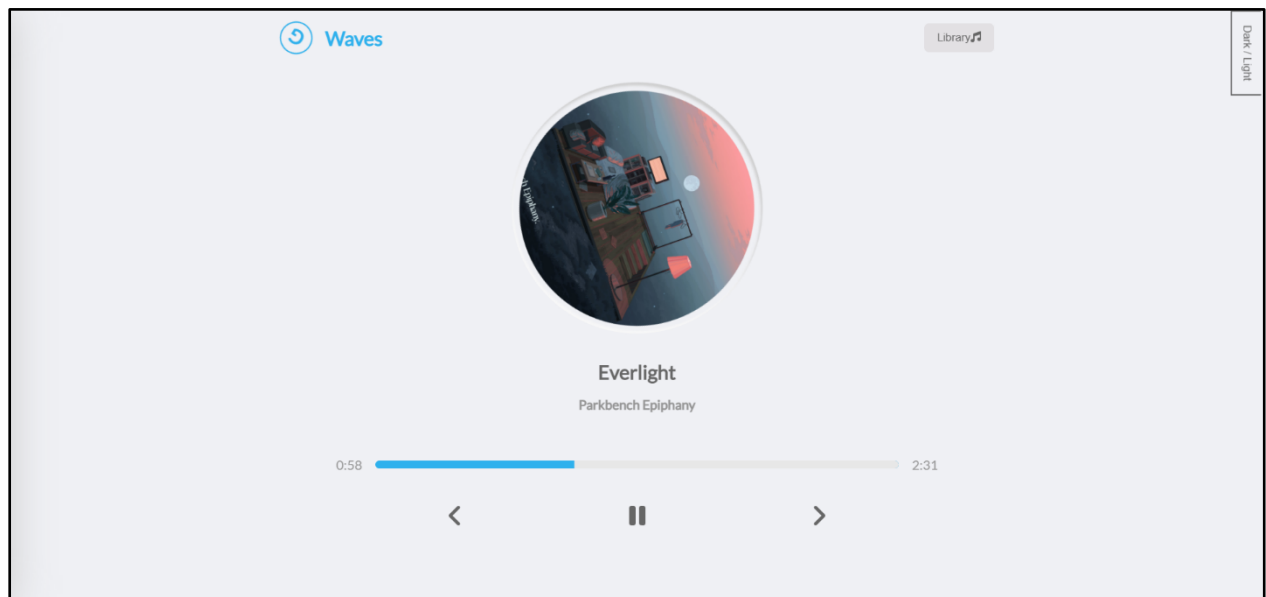


Fig. 2(b) Main page in playing mode

Here in *Fig. 1(b)* shows when music is playing, as it is visible in the above figure, it circles poster is rotating and below that there is pause and other control for managing music.

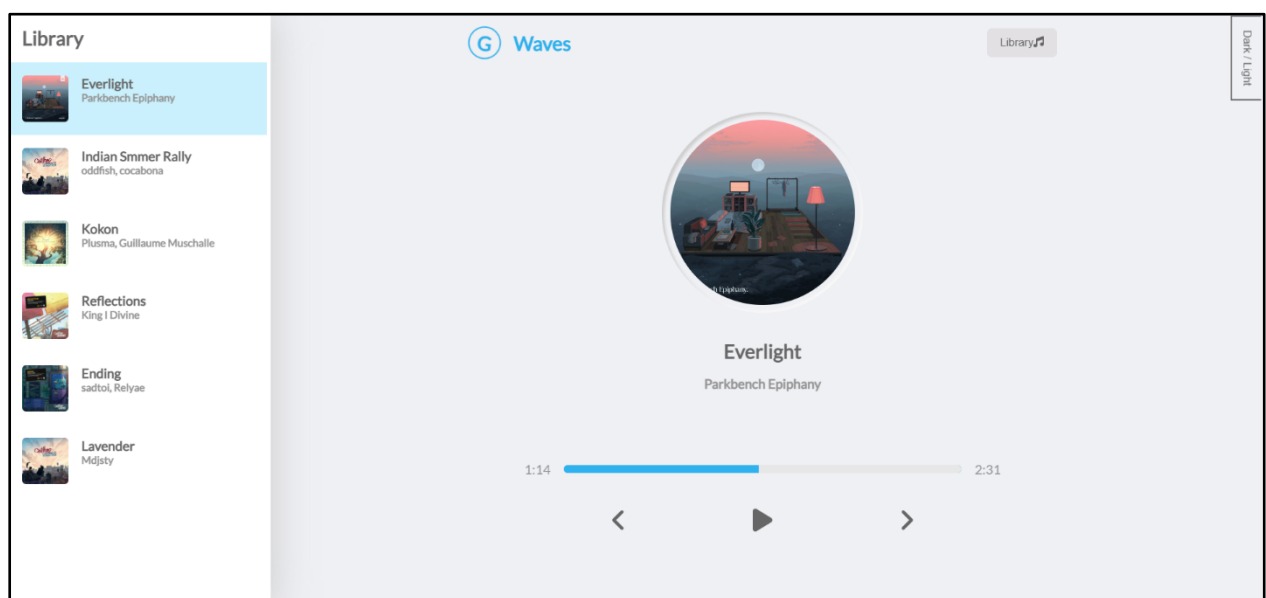


Fig. 2(c) Library Pane

In *Fig. 1(c)* shown music library pane, where all music is listed, user can play anyone of them of their choice.

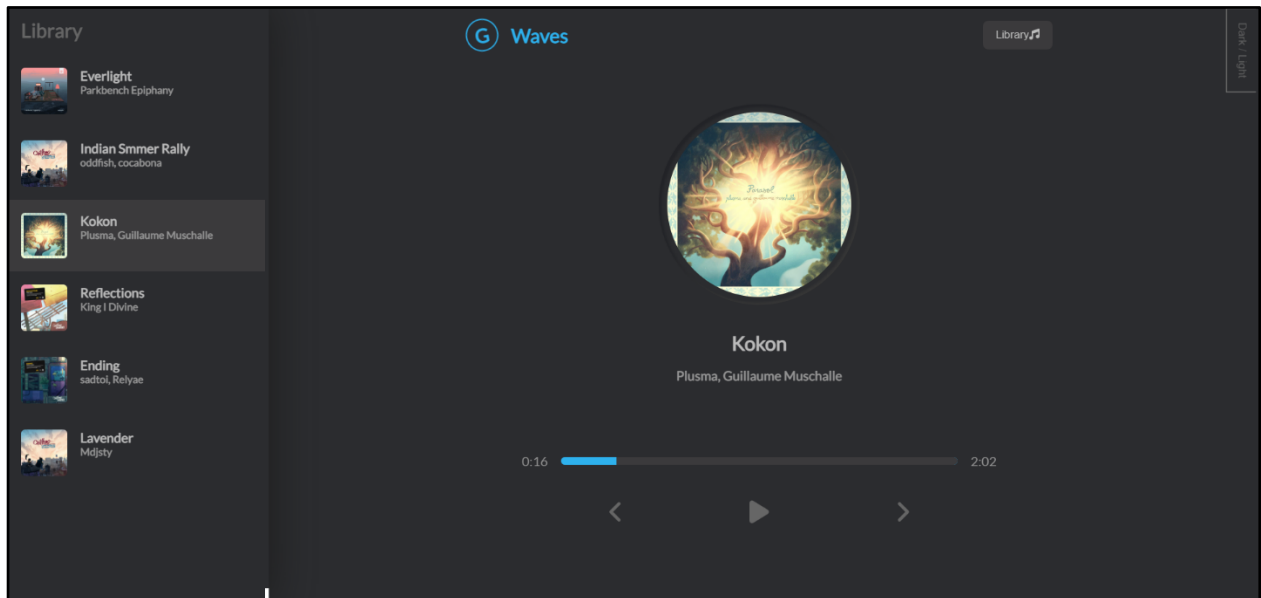


Fig. 2(d) Dark mode

In *Fig. 1(d)* shows that this website is available for in both, dark mode and light mode.

## **CHAPTER 6**

### **CONCLUSION**

I have learned so many new things from the internship like various new technology ReactJS, Figma and also learned business dealing skills. Along with that I have learned core concept of web developing, that how this all procedure is following from scratch to final product. Which get new kind of energy and motivation into me.

# References

1. <https://reactjs.org/>
2. <https://www.bzulastominfotech.com/>
3. <https://www.linkedin.com/company/bzulastrom-infotech/>