

Covid-19 Tracker Final Report

1. Introduction

The objective of this project is tracking the deaths, infected people, recovered people due to the Covid-19 virus throughout India and displaying it through a simple website. This would enable anyone from India to see the state-wise data, patient details of those who are affected by the virus.

The following are the software requirements:

1. State-wise data: Indian map using will be displayed using a JavaScript library like Chart.js and when a user hovers on a state, the user will get the details of deaths, covered and infected people in that state.
2. Patient data: Details about infected patients, way of transmission, place will be displayed which helps users to check if there are any infected patients in their area.

2. Design and Implementation

Since this application required just fetching the results from various public databases, specific back-end wasn't required for the application. So ReactJS was chosen as the front-end and the fetching data from the API was done using fetch functionality in ReactJS. To implement quick front-end development, Bootstrap 4 was used as the CSS framework and lot of other CSS/JavaScript libraries were used which will be discussed below.

Libraries and tools used:

1. OwlCarousel: OwlCarousel is a jQuery plugin used to implement Carousel sliders in the web application.
2. Animate.css: Animate.css is a CSS library used to implement different animations which is very pleasing to the user and creates an amazing user experience.
3. Bootstrap: Bootstrap is a CSS framework that helps in quick development of front-end projects.
4. Font-Awesome: Font-Awesome is an icon library that provides with thousands of icons that creates an awe-inspiring user experience.

5. Chart.js: Chart.js was used to visualize the fetched data and display it in the form of Bar graphs, Line graphs, Pie charts etc.

Expected design:



3. Conclusion

Project Outcome:

This project enabled the viewers to view the Corona Virus data in simple text form as well as visualized form through charts.

The project served as the capstone for my ReactJS course on Coursera.

4. References

www.ieee.org

www.stackoverflow.com

www.wireframe.cc

api.covid19india.org

api.covid19api.com/summary

www.chartjs.org