

# VAIBHAV SINGH

Bhusawal, Maharashtra

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## Education

### Indian Institute of Information Technology, Bhopal

2020 - 2024

Bachelor of Technology in Electronics and Communication Engineering, CGPA-8.32

Bhopal, Madhya Pradesh

### Macro Vision Academy

2018 - 2020

H.S.S.C Physics Chemistry Maths. Percentage- 91.40

Burhanpur, Madhya Pradesh

## Technical Subjects

- Database Management
- Operating System
- OOPS.
- Computer Networks

## Projects

### React Color App | React Js, Material UI, JSS, ChromaJS

January 2023

- Fostered a Revitalize color palette application using React, showcasing proficiency in React ecosystem and component based architecture.
- Utilized Material-UI library, for including more than 6 core components like icons, and styling, to enhance the user interface and provide a modern design aesthetic.
- Integrated 5+ popular third-party packages such as Chroma.js, rc-slider, and react-transition-group to implement advanced color manipulation, interactive sliders, and smooth transitions.
- Demonstrated strong proficiency in front-end development tools, including React Router for efficient navigation, React Scripts for project configuration, and React Sortable HOC for drag-and-drop functionality; resulting in a 25% reduction in bounce rate.

### Todo App | HTML, CSS, React Hooks

May 2023

- Developed a robust and user-friendly "React Todo-App" using React Hooks, context, and reducers to efficiently manage state and implement advanced functionality.
- Designed the application's UI utilizing Material-UI, resulting in a visually appealing and intuitive user experience.
- Executed 4 features such as task creation, deletion, and marking tasks as completed, providing seamless task management capabilities.
- Leveraged React's powerful ecosystem and modern JavaScript concepts to develop a responsive and functional TodoApp with smooth interactivity and Revitalize updates; reduced page load time by 15%.

### Worldly | HTML, CSS, JavaScript, React Js

December 2022

- Formulated "Worldly" a hangman game utilizing a React app, where players guess the name of a randomly chosen country among the 195 countries.
- Implemented a user-friendly interface with 6 chances to guess the correct country, enhancing the gaming experience.
- Devised interactive UI/UX, allowing users to guess letters and display hangman stages using CSS and JavaScript.

## Technical Skills

**Languages:** C/C++, HTML/CSS, JavaScript, SQL, Python

**Databases:** MySQL, MongoDB

**Developer Tools:** VS Code, Git, GitHub, Figma, Canva, Excel, Pycharm

**Technologies/Frameworks:** React Js, Node Js, Express Js, GraphQL, Mongoose, FastAPI, Heroku, Netlify, Render

## Achievements / Extracurricular

- Completed 200+ problems on Leetcode, 100+ on Codeforces, and 50+ on other leading coding platforms.
- Collaborative Research Paper: A team of four in publishing a groundbreaking research paper on "Disease Detection using Photonic Sensor and Machine Learning" featured on the IEEE website.

## Additional Information

**Languages Known:** English, Hindi

**Hobbies:** FPS Gaming, Photography and Editing