

VAIBHAV SINGH

Bhusawal, Maharashtra

☎ +91-8010875037 ✉ vs630916@gmail.com 📄 Vaibhav Singh 🌐 HVz11

Education

Indian Institute of Information Technology Bhopal

2020 - 2024

Bachelor of Technology in Electronics and Communication Engineering, CGPA-8.41

Bhopal, Madhya Pradesh

Experience

KaamBack

April 2024 – Present

Full Stack Developer Intern

Remote

- Created a service where talents list their projects and skills while clients post their required skills for projects. Implemented a system to match clients with suitable talents based on skill sets.
- Revolutionized development workflow by optimizing CI/CD pipelines, cutting build times by 20%; deployed Docker Compose for efficient multi-environment integration, enhancing system reliability and developer productivity.
- Developed a platform powered by React, Node, Express, and MongoDB; achieved seamless data management with PrismaORM, optimized styling with Tailwind CSS, ensured secure authentication with OAuth2, and orchestrated seamless deployment using Docker Compose, reducing deployment time by 15%

Projects

Codify | ReactJs, NodeJs, ExpressJs, WebSocket, Socket.io, CodeMirror, Docker

November 2023

- Developed a real-time collaborative code editor utilizing web sockets, allowing multiple users to join a shared room and edit code simultaneously.
- Engineered the implementation of React.js for front-end development, Express.js for backend server management, and Socket.io for real-time communication, elevating system performance and enabling efficient client-server interactions.
- Utilized CodeMirror for the code editor component, providing syntax highlighting and code editing functionalities.
- Implemented user authentication and avatar display using React Avatar, enhancing the collaborative experience and user interaction within the platform.

Payment-Application | ReactJs, Nodejs, express.js, MongoDB, Docker, JWT, Zod, Axios

February 2024

- Spearheaded the development of a dynamic payment application, enabling user registration, authentication, and seamless navigation through an intuitive dashboard.
- Integrated essential dependencies such as Express.js, CORS, and JSON Web Token for robust server-side operations, ensuring secure communication and data transfer.
- Orchestrated local MongoDB instances via Docker, optimizing database management and facilitating consistent development environments.

React Color App | ReactJs, MaterialUI, JSS, ChromaJS

January 2023

- Fostered a Revitalize color palette application using React, showcasing proficiency in React ecosystem and component-based architecture.
- 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.

Technical Skills

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

Databases: MySQL, postgresQL, MongoDB

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

Technologies/Frameworks: React, Nextjs, NodeJs, Express, GraphQL, Mongoose, RESTful APIs, Docker, Linux/UNIX, CI/CD, Redis, PrismaORM,

Technical Subjects

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

Achievements / Extracurricular

- Completed 200+ problems on Leetcode, 100+ on Codeforces, and 50+ on other leading coding platforms.
- Collaborative Research Paper: A team of 4 published a groundbreaking research paper on "Disease Detection using Photonic Sensor and Machine Learning" featured at the IEEE ICDV Conference and accepted at I2CACIS2024.