VIVEK V R

📞 +91 9074071639 | ✉ vrvivekofficial@gmail.com | 🏠 vivek-online | ○ vivekvr | in vr-vivek

Profile Summary

Self taught MERN stack devoloper based in Thrissur, Kerala, curious to learn more about devoloping scalable distributed systems, loves problem solving and cares about writing readable as well as maintainable code. Passionate about leveraging technology to create impactful and user-friendly applications.

Technical Skills

Programming Languages: JavaScript, TypeScript, C, MongoDB, MySQL, HTML
Libraries & Frameworks: Node.js, Express, React, Redux, TailwindCSS
Tools & Platforms: Git, Github Actions, Netlify, Render, Vercel, Firebase, Docker
Design & Prototyping: Figma, Photoshop
Concepts: MVC Architecture, SOLID Principles

Projects

Multi-Tenant B2B Project Management Platform | *React, MongoDB, Node, Express*   Live | GitHub

- Designed and developed a full-stack, multi-tenant B2B project management system enabling teams to manage workspaces, projects, and tasks with fine-grained access control.
- Implemented **Google OAuth** with **Passport.js** and **JWT-based cookie session management** for secure and seamless authentication.
- Integrated **role-based access control (RBAC)** to manage owner, admin, and member permissions within each workspace.
- Developed a user **invitation system** allowing team members to join workspaces with role assignments and automatic email onboarding.
- Added intelligent task management capabilities: **filters, search, due dates, priority tags, pagination, and analytics** to improve team productivity.
- Engineered a modular, scalable backend using **Express.js** and **Mongoose**, with **Zod** for validation and environment-safe config handling via dotenv.
- Built a modern, responsive UI with **React**, **Tailwind CSS**, and Shadcn UI, featuring an interactive analytics dashboard using **React Table** and **React Query**.
- Containerized the application with **Docker** and implemented **CI/CD** using **Git integration** on **Render** for automatic builds and deployments on every commit.

Elite-Auctions | *React, MongoDB, Node, Express, Redux*   Live | GitHub

- Designed and developed a dynamic auction platform enabling users to create auctions and bidders to place bids in real-time.
- Implemented a **real-time bidding system** for Elite Auctions, allowing users to place and update bids competitively.
- Automated workflows for Elite Auctions using **cron jobs** and **Nodemailer**. Sent notifications to winning bidders for payment completion. Reminded auctioneers to pay platform commissions after auctions concluded.
- Built a Super **Admin Dashboard** with advanced features. Visualized auction statistics and performance using **Chart.js** for data-driven insights. Provided control to manage all platform activities, including deleting auctions and users
- Designed a robust backend architecture, implementing **REST**ful APIs with **Express.js** and efficient data handling using **MongoDB** and **Mongoose**.
- Delivered a scalable, maintainable, and user-friendly platform. Ensured mobile responsiveness and an intuitive user interface using **React.js** and **Tailwind CSS**.

Mini Projects

Chatty: Real-time Chat Application | *React, MongoDB, Node, Express*   Live | GitHub
- Built a scalable chat application using the **MERN stack (MongoDB, Express, React, Node.js)** and **Socket.io** for real-time messaging.
- Enabled real-time communication with features like **online user status using Socket.io.**
- Managed global state with **Zustand** for efficient data flow across components.
- The application's authentication system incorporates email and password authentication using **JSON Web Tokens**
- Implemented theme customization with **Daisy UI**, allowing users to choose from 32 different themes.

QuillCorner -Blog app with Dashboard | *React, MongoDB, Node, Express, Redux*   Live | GitHub
- Built a feature-rich blogging platform with a seamless user experience using **React,Redux**, and **Flowbite** for UI components and state management..
- Integrated **Firebase** for image uploads and management and implemented robust authentication using **JSON Web Tokens (JWT)** and **Google OAuth** for secure user access.
- Designed an admin dashboard for managing users , moderating comments , and overseeing content.

HomeHive: Modern Real Estate Marketplace | *React, MongoDB, Node, Express*   GitHub
- Developed a modern real estate marketplace leveraging **React**, **Redux Toolkit**, and **Tailwind CSS** for a responsive and user-friendly interface.
- Designed the backend with **Node.js**, **Express**, and **MongoDB (Mongoose)**, following **MVC architecture** for clean, maintainable code.

VR-World Web | *React, Tailwind CSS, aos*   Live | GitHub
- Designed and implemented a responsive user interface using **React** and **Tailwind CSS.**
- Enhanced user experience with smooth animations utilizing **AOS (Animate On Scroll)** for dynamic content presentation.

Education

Diploma in Computer Engineering   *Kerala,Thrissur*
Government Polytechnic College, Chelakkara

Higher Secondary (Computer Science)   *Kerala,Thrissur*
ST Thomas H.S.S, Mayannur