

DEEPANSHU SAINI

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EXPERIENCE

SearchAI Infrastructure Technology Pvt Ltd

April 2024 - July 2024

FRONTEND CORE ENGINEER (NEXT/REACT)

- Enhanced user experience by developing user-friendly interfaces with **Next.js** and **React** and utilized **Redux** for state management which reduces state-related bugs by 20%.
- Optimized web performance** by analyzing and improving web vitals, resulting in a 30% improvement in page load times and a 20% increase in overall application responsiveness.
- Conducted performance **testing and troubleshooting**, identifying and resolving issues that improve application stability by 35%.

PROJECTS

AI-Genius | Tailwind | Vercel | Next Js | React

[Github](#) | [Live](#)

Created a next-generation **AI-powered application** that empowers users to generate creative content through an intuitive chat interface.

- Integrated **OpenAI's API** to enable the **creation of code snippets (React, JavaScript), captivating images, and engaging text content** based on user prompts and conversational interactions.
- Leveraged **Next.js's** server-side-rendering capabilities to achieve **95%** performance on Lighthouse.
- Integrated **Clerk** for secure **user authentication**, enabling seamless login and user management.

Discord Clone | Tailwind | Prisma | Socket.io | Next Js | React

[Github](#)

Build a Discord clone utilizing modern technologies such as **Next.js**, **UploadThing**, **LiveKit**, and **Supabase**, providing a feature-rich communication platform.

- Implemented real-time messaging functionality** with **Socket.io**, enabling instant message updates and seamless communication between users, while also facilitating message management by allowing users to **delete and edit messages in real-time**, thereby improving user control over conversations by **50%**.
- Developed comprehensive communication features including **text**, **audio**, and **video** call channels, and established a robust user role system (**admin**, **moderator**, **guest**).
- Developed a unique **invite link generation system**, enabling users to invite others to join the platform seamlessly.
- Integrated **Prisma** for efficient data modeling, manipulation, and querying, speeding up database operations by 35%.

Real-EState | Tailwind | Node Js | Express Js | React Js | MongoDB

[Github](#) | [Live](#)

Designed a full-stack comprehensive real estate application using the **MERN** stack (**MongoDB**, **Express.js**, **React.js**, **Node.js**) with user-centric features and a modern UI.

- Frontend built with **React.js** and **Tailwind CSS**, delivering a responsive and visually appealing user experience.
- Integrated **Node.js** and **Express.js** to create a robust API with 10+ CRUD endpoints and **MongoDb** as a database.
- Implemented **Redux** for centralized **state management**, reducing state-related bugs by 40%.
- Implemented **jwt** for secure **user authorization**, ensuring data access control within the application.
- Enabled users to create, search, and filter listings based on price range, number of bedrooms/bathrooms etc.

EDUCATION

MAHARISHI MARKANDESHWAR UNIVERSITY

Bachelor of Technology, Computer Science | CGPA: 8.69

MULLANA, INDIA

2020-2024

TECHNICAL SKILLS

- Programming Languages:** Java, Javascript, Typescript
- Frameworks, Tools, and Technologies:** React.js, Node.js, Express.js, MongoDB, Next.js, Prisma, Git, GitHub, Docker, WebRTC, Websocket, Tailwind