

Saurav Prasad

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Skills

Languages: JavaScript, HTML, CSS

Database: MongoDB, NoSql

Frameworks & Libraries: MERN, ReactJS, ExpressJS, NodeJS, Tailwindcss, Bootstrap, Redux, Axios, Socketio, ThreeJS

Project Work

Pixl Play

[Live]

Nov 2024 - Dec 2024

Real-time collaboration App

- Developed a real-time collaborative whiteboard app using Konva.js, and Socket.io, enabling remote teams to draw, brainstorm, and save work simultaneously on an 100% infinite canvas space with cloud storage.
- Established multi-user drawing functionality using Konva.js, supporting 30+ concurrent users with customizable brushes, colors, and background templates for enhanced creativity.
- Implemented secure user invitations system and optimized UI performance with Tailwind CSS, reducing latency by 30%.
- Tech Stack: MongoDB, Express.js, React.js, Node.js, Socket.io, Konva.js, Redux, REST API, JWT, React Spring.

Chattila

[Live]

Oct 2024 - Nov 2024

Real-time messaging App

- Engineered a full-stack messaging app using React.js, Node.js, and Socket.io, delivering WhatsApp-like features (1:1/personal chats, message history) with real-time synchronization via MongoDB and Socket.io.
- Integrated AI-driven chat assistance (smart replies, smart conversation) to streamline user engagement and reduce response time by 40%.
- Configured an agile routing system through React Router that enhanced user experiences by reducing page load times by 30% while maintaining high integrity of data flow within the application structure.
- Tech Stack: MERN, Socket.io, Node.js, Tailwind CSS, Axios, REST API, JWT, React Router, Redux.

Photo ki dukan

[Live]

Jan 2024 - Feb 2024

Photo Repository App

- Developed a full-stack photo repository using React, offering free, unlimited access to 10,000+ high-resolution images with search/filter by themes, subjects, and resolutions.
- Integrated infinite scrolling and advanced search functionality for seamless exploration, reducing user navigation time by 30%.
- Implemented responsive User Interface with Tailwind CSS and React Awesome Reveal animations, optimizing load performance by 40% and enhancing visual engagement.
- Tech Stack: Supabase, React.js, Redux, Axios, REST API, React Router, Emotion, React Infinite scrolling.

Socioll

[Live]

Dec 2023 - Jan 2024

Social Media App

- Engineered a full-stack social media app using MERN stack and Firebase Storage, enabling LinkedIn-style networking, Instagram-like photo-sharing, and Facebook-inspired interactions (posts, likes, follows) for 1,000+ daily users.
- Integrated JWT authentication, Redux for state management, and dynamic UI/UX with Tailwind CSS/Material UI, reducing load time by 25% and enhancing engagement with React Awesome Reveal animations.
- Tech Stack: MERN, Firebase, Redux, React Router, Axios, JWT, REST API, Tailwind CSS, Material UI.

Big Cart

[Live]

Aug 2024 - Oct 2024

E-commerce App

- Designed a full-stack e-commerce app using React, Firebase, and Razorpay, delivering a seamless shopping experience with cart management, product filtering, and a secure payment gateway achieving 99% transaction success.
- Optimized checkout flow with Headless UI and React Router, reducing cart abandonment by 20% and ensuring PCI-compliant transactions via Razorpay integration.
- Tech Stack: React.js, Firebase (Media Storage), Razorpay, Tailwind CSS, Emotion, React Router, Headless UI.

Education

Surya Sen College, Siliguri

B.S.C Computer Science

Aug 2021 - Jun 2024

Awards and Certificates

- **Awarded 2nd Place** in a **District-Level Quiz Competition** organized by the Election Commission of India, showcasing analytical and civic awareness skills.
- **Won 1st Prize** in a **National Poster-Making Competition** (Theme: Eradicate Corruption, Say No to Corruption) by a Sikkim-based NGO, demonstrating creativity and advocacy for social causes.
- **Selected** for an inter-college speech competition on Mother Language Day, reflecting strong communication and public speaking abilities.
- **Achieved 2nd Position** in an **Inter-School Mobile Photography Contest**, highlighting technical and artistic proficiency.