

RAVI KARMAKAR

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Technical Skills

Languages and Frameworks: Javascript, Python, React, React Native, Next.js, MongoDB, Express, Node.js, HTML, CSS

Other Skills: JWT, Tailwind, Bootstrap, Bcrypt.js, Socket.io

Professional Summary

Detail-oriented and innovative Full Stack Developer with a strong foundation in the MERN stack and expertise in TypeScript, React, and Next.js. Skilled in building and deploying efficient, scalable applications with clean, responsive interfaces and seamless backend integrations. Passionate about optimizing user experiences, employing RESTful API design, and keeping up-to-date with the latest development trends and technologies.

Experience

Data Entry Specialist

January to June 2024

- In SR Pharma

- Accurately entered and maintained detailed inventory records for pharmaceutical products, ensuring data integrity and timely updates.
- Assisted in managing stock levels by recording incoming and outgoing inventory, reducing discrepancies.
- Verified and processed customer and transaction data, maintaining confidentiality and accuracy in line with company standards.

Projects

Chat App (Live Chatting System)

Aug 2024 - Present

[Github](#) [Live Link](#)

- **Developed** a fully-functional live chatting application using the **MERN stack** (MongoDB, Express.js, React.js, Node.js).
- **Implemented** real-time communication with **Socket.io**, ensuring seamless message exchange between users.
- **Integrated** user authentication and security features using **JWT (jsonwebtoken)** and **BcryptJS** for secure password handling.

X-Clone(Full Stack Project)

October 2024 - Present

[Github](#) [Live link](#)

- **Developed** a fully-functional twitter application using the **MERN stack** (MongoDB, Express.js, React.js, Node.js).
- **Integrated JWT (JSON Web Tokens)** and **Implemented** secure password handling with **Bcrypt.js**, ensuring data integrity and **user security**.
- Integrated **real-time updates** with sockets for instant **notifications and interactions**.
- **Optimized database** schemas using **Mongoose** for efficient data **handling** and **scalability**
- Applied **Responsive design** techniques for seamless experience across **Various devices**.
- Employed **RESTful API** principles to structure **backend** services and ensure **Smooth Client-Server** communication.

Spotify-mini(Full Stack Project)

November 2024 - on going

[Github](#) [Live link](#)

- **Developed "Spotify-mini,"** a Spotify-inspired web app using the **MERN stack (MongoDB, Express.js, React.js, Node.js)** for **full-stack functionality**, with **TypeScript** on the frontend for **type safety** and **robust** code structuring.
- Integrated secure user **authentication** with **Clerk**, providing a streamlined login experience and ensuring **data integrity**.
- Enabled **real-time chat** for friend activities using **Socket.io**, facilitating instant and **interactive** user **communication**.
- **Optimized** backend services with **RESTful API** design principles, promoting **efficient client-server** interaction.
- Leveraged **responsive design** techniques to ensure seamless **usability** across **various devices**.

Education

Bachelor of Science in Physics

2020 - 2023

B.S.K College Barharwa ,
Jharkhand

Dumka ,

- **CGPA: 7.7 / 10.0**