

# TANISHQ RATHI

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## Education

### COER University

*B. Tech Computer Science and Engineering*

Jul 2023 – Present

Roorkee, Uttarakhand

## Experience

### Businessroom.ai

*Software Engineer Intern*

Jan 2025 – Mar 2025

Remote

- Created the Wishlist and the Acquireroom, enabling instant and responsive user updates with real-time synchronization
- Collaborated with lead engineers to implement TanStack Query, optimizing data fetching and caching for performance
- Optimized UI and removed redundant requests, improving responsiveness and **increasing app performance by 40%**
- Engineered a **socket-driven**, low-latency user chat system that enables real-time messaging with latency under 1 second

### Explorin Academy

*MERN Stack Intern*

Jun 2024 – Jul 2024

Remote

- Collaborated with senior engineers on scalable **MERN** projects, reducing API latency by 35% through optimizations
- Designed efficient **REST API** and reduced **MongoDB queries** to significantly improve overall backend performance

## Projects

CareerDock | *Next, TanStack Query, GraphQL, Prisma ORM, PostgreSQL, Tailwind*

July 2025 – Aug 2025

- Built a modern job platform for seamless role discovery and employer listings, achieving a **95+ performance score**
- Boosted overall website discoverability by applying advanced SEO best practices, securing a strong **95+ SEO score**
- Delivered faster and smoother user experiences through accelerated data fetching using **TanStack Query** effectively
- Ensured long-term scalability, reliable queries, and a maintainable database architecture by using the **Prisma ORM**

KnackX | *React.js, Node.js, Tailwind, Express, MongoDB*

Jan 2025 – Feb 2025

- Developed a full-stack social media platform with **JWT** authentication, profiles, infinite scrolling, and real-time search
- Implemented a follow/unfollow system with scalable backend logic for smooth interactions and consistent performance
- Applied a responsive, **scalable UI** using **Context API** and Tailwind for clean navigation and better maintainability
- Built RESTful APIs and integrated **Cloudinary**, reducing media load time by 50% with validation and error handling

Expirify | *React.js, Node.js, Tailwind, Express, MongoDB*

Sep 2024 – Oct 2024

- Integrated **Tesseract OCR** on smartphones, reducing manual data entry errors by 90% and improving overall efficiency
- Designed **Gmail alerts** for upcoming expiries, enabling timely stock actions and significantly reducing product waste
- Streamlined product lifecycle with structured inventory, ensuring **99% accurate** tracking and minimizing overall waste

EchoBoard | *EJS, Tailwind, Node.js, Express, MongoDB*

May 2024 – Jun 2024

- Adapted **Passport.js authentication** and **session handling** to safeguard user data and provide personalized access
- Crafted a **responsive**, user-friendly interface, enabling smooth, seamless content creation and reading across all devices
- Rendered **EJS templates** efficiently from the backend, reducing page load time by **25%** through server-side generation

## Technical Skills

**Frontend Technologies:** React.js, Next.js, TanStack Query, Redux Toolkit, GraphQL, Tailwind, Shadcn, Zod

**Backend Technologies:** Express.js, PostgreSQL, Prisma ORM, Passport.js, Node.js, MongoDB, Mongoose, EJS

**Languages:** JavaScript (ES6+), TypeScript, Java, C, C++, SQL, HTML, CSS

**Developer Tools:** VS Code, Postman, GitHub, Git

## Achievements

### First Place – Hackathon

Oct 2025 – Nov 2025

- Developed AI-powered tools to automate real-world problems and led a team of 3 to victory among 80+ participants

### Winner – Shivalik Hackathon

Dec 2024 – Jan 2024

- A hostel tracking system using geofencing to monitor students and selected as the winning project among 100+ teams

### Winner – Ideathon

Nov 2024 – Dec 2024

- Proposed a scalable tech startup offering personal digital wellness plans driven by AI, winner among 50+ participants