

TANISHQ RATHI

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Education

COER University

B. Tech Computer Science and Engineering

Jul 2023 – Present

CGPA: 8.48

Experience

Businessroom.ai | Software Engineer Intern - React.js, TypeScript, Tailwind, Node.js Jan 2025 - Mar 2025

- Built Wishlist and Acquireroom with a real-time Like feature, delivering more responsive sub-second updates.
- Worked with **lead engineers** to implement **TanStack Query**, optimizing data fetching and caching.
- Refactored UI, reduced redundant requests to boost app performance by 40%, and improved responsiveness.
- Designed a **Socket.io**-driven user chat system that enable real-time messaging with latency under 1 second.

Explorin Academy | MERN Stack Intern - React, Node.js, Express.js, MongoDB Jun 2024 - Jul 2024

- Collaborated with senior engineer on scalable **MERN** projects, improving performance and responsiveness.
- Built efficient **REST APIs** and optimized **MongoDB queries** to reliably boost overall backend efficiency.

Projects

CareerDock | Next, TanStack Query, GraphQL, Prisma ORM, PostgreSQL, Tailwind Jul 2025

- Engineered an interactive job ecosystem enabling users to discover roles, apply seamlessly, share reviews, and empower employers to build profiles, post listings, and track applications, with **90+ performance score**.
- Boosted website discoverability by applying advanced SEO best practices, securing a **95+ SEO score**.
- Delivered faster and smoother user experiences through accelerated data fetching using Tanstack Query.
- Ensured scalability, reliable queries, and maintainable database for long-term efficiency using **Prisma ORM**.

KnackX | React, Node.js, Tailwind, Express, MongoDB Nov 2024

- Implemented a feature-rich full-stack social media platform with **JWT authentication**, profile customization, infinite scrolling, real-time user search, and a follow/unfollow system supporting 200+ active users.
- Crafted a responsive, modular, and **scalable UI** using global state handling via **Context API** and Tailwind styling for seamless navigation and long-term maintainability
- Developed robust **RESTful APIs**, leveraged **Cloudinary** for refined media management, reducing media load time by 50% and ensuring middleware-driven request validation and error handling.

Expirify | React, Node.js, Tailwind, Express, MongoDB Sep 2024

- Integrated Python-Tesseract OCR on smartphones, significantly cutting manual data entry errors by 90%.
- Implemented **Gmail alerts** for upcoming expiries, enabling timely stock actions and reducing product waste.
- Streamlined product lifecycle through structured inventory, ensuring 99% accurate tracking and lower waste.

EchoBoard | EJS, Tailwind, Node.js, Express, MongoDB May 2024

- Created a blog platform to create, edit, and delete posts, managing 100+ blogs with streamlined control
- Adapted **passport.js authentication** and **session handling** to safeguard user data and personalize access.
- Crafted a **responsive**, user-friendly interface enabling smooth content writing and reading on all devices.
- Rendered **EJS templates** from the backend, cutting 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, MongoDB, Mongoose, EJS

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

Developer Tools: VS Code, Postman, GitHub, Git

Achievements

- **First Place – Hackathon (2025):** Developed AI-powered tools to automate real-world tasks, and led a team of 3 to victory among 80+ participating groups.
- **Winner – Shivalik Hackathon (2024):** Designed a hostel tracking system using geofencing to monitor student movements and applied facial recognition, selected as the winning project among 100+ teams.
- **Winner – Ideathon (2024):** Proposed a scalable tech startup offering personal digital wellness plans driven by AI, highlighting market potential, user segmentation, and growth strategy, winner among 50+ teams.