Rahul Yadav

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EDUCATION

J.C. Bose University of Sciences and Technology, YMCA — Faridabad, Haryana
Bachelor of Technology in Computer Science and Engineering — *Sep. 2023 – May 2027*

K.L. Mehta Daayanand Public School — Faridabad, Haryana
Non-Medical, Grade: 8.4CGPA — *May 2021 – May 2023*

PROJECTS & EXPERIENCE

RateRepo | React Native, GraphQL, Apollo Client, Express (Node.js),
- Developed a cross-platform repository rating application using React Native and Expo.
- Implemented GitHub OAuth for secure user authentication and review creation.
- Built robust CRUD functionality for managing user reviews.
- Integrated advanced search and sorting features to enhance usability.
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GraphShelf | *Node.js, Express, MongoDB, React, GraphQL*
- Built a library management system with Node.js (Apollo Server, Mongoose) and React (Apollo Client)
- Implemented GraphQL queries, mutations, and real-time subscriptions for dynamic updates.
- Modeled data using MongoDB for Books, Authors, and Users.
- Added real-time features like live book additions and personalized recommendations.

Patientor | *Node.js, Express, React, TypeScript, Vite, Material-UI*
- Develop a full-stack patient management app with React + TypeScript (frontend) and Express.js + TypeScript (backend).
- Implemented a type-safe REST API using Zod validation, ensuring strict type checking for patient records and medical entries.
- Supported three entry types: Health Check, Occupational Healthcare, and Hospital, with tailored validations.
- Integrated Material-UI for responsive design, React Router for navigation, and Axios for API communication.
- Ensured robust type definitions across the app for form handling, API responses, and validation logic.

BlogStack | *Node.js, Express, React, Vite, Redux*
- Developed a full-stack web application for managing and sharing blogs.
- Implemented user authentication and authorization using JSON Web Tokens (JWT).
- Enabled complete CRUD functionality for blogs, including comments and likes.
- Ensured secure blog deletion with creator-only authorization checks.

TECHNICAL SKILLS

Frontend: HTML, CSS, JavaScript, TypeScript, React, React Native, Webpack
Backend: Node.js, Express, MongoDB, Mongoose ODM, GraphQL, PostgresSQL
Testing: Jest, Playwright
Version Control: Git, GitHub
DevOps: GitHub Actions, Docker
Operating Systems: macOS
Additional: Python, C, CI/CD

ACHIEVEMENTS

FullStack Open Course : Successfully completed the FullStack Open course from the University of Helsinki with a top grade. **View Certificate**

FullStack Open Course (TypeScript): Earned certification in TypeScript, mastering type-safe JavaScript development. **View Certificate View Certificate**

FullStack Open Course (React Native): Completed the React Native module, developing cross-platform mobile applications. . **View Certificate**

DevOps with Docker: Completed DevOps with Docker course. **View Certificate**