

Rohan Nagrut

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EXPERIENCE/INTERNSHIP (Production site)

Railway Pass Concession 📁 | *ReactJS, NodeJS, MongoDB, ExpressJS and TailwindCss* June 2023 – Current

- Upgraded VJTI College's **Offline** railway pass application process, slashing paperwork by **85%** with a **production-level** code.
- Developed a Backend with **Node.js**, **Express**, and MongoDB database, effectively **catering** to the needs of more than **4000+** **students** at **present** time.
- Implemented user authentication, **real-time notifications** using **Nodemailer** and **reduced response times** by **40%**.
- Reduced paperwork** by enabling **dynamic printing** on railway concession **passes**, efficiently overlaying data onto the railway form using **CSS**.
- Deployed the application on the **college's intranet** using **Proxmox VE** achieved high availability through **horizontal scaling** to serve a growing user base.

PROJECTS

Runtime Educator's 📁 | *ReactJS, NodeJS, Tailwindcss, MongoDB, and ExpressJS* Sept 2021 – Oct 2021

- Built a feature-rich **Ed-Tech** platform using the MERN stack to create, consume, and rate educational content.
- Having all functionalities of a Ed-tech Platform like Course Creation, **RAZORPAY Payment** Integration, Admin, Instructor and Student **segregation**, etc.
- Follows a client-server architecture with **ReactJS** for the front end, NodeJS/Express.js for the back end, and **MongoDB** as the database.

SketchBook 📁 | *NextJs, NodeJS, React-Redux, TailwindCss* June 2023 – Current

- Developed a real-time Sketchbook Frontend web application using **NextJS**, allowing users to collaborate on drawings and sketching.
- Implemented **Socket.IO** for seamless communication and live updates, **allowing multiple users** to draw and interact in real-time.
- Employed the **classnames** package for **dynamic class management** to enhance UI flexibility and responsiveness.
- Utilized React-Redux for robust state management, providing a seamless user experience.
- Successfully integrated undo/redo functionality, offering users the ability to reverse and reapply drawing actions.

PROBLEM SOLVING SKILLS

- Developed a website for **VJTI College's** Railway Concession **Department**.
- Attained a LeetCode rating of **1451**.
- Ranked in the top 3.2% (**99 out of 3,064**) among peers at GFG (GeeksforGeeks), demonstrating a commitment to excellence and a strong work ethic.

TECHNICAL SKILLS

Cs core Subjects	: OOPS, DBMS .
Languages/Libraries	: C, C++, JavaScript, TypeScript, React, Node.js, Express.js .
Deployment	: Proxmox Virtual Environment .
Other	: HTML, Css, Mongoddb, Bootstrap, Git, Github .

EDUCATION

Veermata Jijabai Technological Institute
B.Tech in Electrical Telecommunication Engineering

Mumbai, India
June 2020 - June 2024

COMMUNITY, CLUBS & EXTRA-CURRICULAR

Technovanza - VJTI. 📁 | *Sketchup Pro 2018* 2021-2022

- Designed a game for the **Monster Arena** event as an **Operations Executive**.
- Worked as a **Sponsorship Executive** at Technovanza

Alumni Association - VJTI. 📁 | *Canva* 2021-2022

- Served as a **Content Executive** for the VJTI Alumni Association.