

SOURABH RATHOUR

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Technical Skills

Languages/Frameworks : JavaScript, Typescript, ReactJS, NextJS, Tailwind CSS

Databases/ORMs: Postgres, MongoDB, Prisma, Mongoose

Backend Technologies: Express, NodeJS, Docker

Developer Tools/Version Control: NeoVim, Postman, Zed, Figma, Git, Github

Experience

QuantumX Research Advisors

Jan. 2024 – Present

Fullstack Developer Intern

Remote

- Developed a fully responsive landing page with the team using **React JS**, **Typescript** and **Tailwind CSS**, ensuring an optimal user experience across various devices.
- Implemented a secure form integration using **Node.js** and **Nodemailer**, enabling seamless data submission and automatic **email forwarding** to the company's founder.
- Integrated a **headless CMS** (Strapi) with the company's website, allowing for **dynamic content management** and report publishing through a user-friendly dashboard.
- Designed and implemented a robust **MongoDB** database schema to store and manage user data collected through the form, ensuring data integrity and accessibility.

Projects

Mask - Anonymous Platform 🔗

🐙 Repository

React JS, NodeJS, Websockets

- Developed an anonymous web app for **verified** college students to engage in organized conversations.
- Over 120+ users signed up from IITs, BITs and 15+ other colleges on the platform.
- Validated college emails and implemented secure user verification (using OTP) and **JWT authentication**.
- Implemented an **infinite scroll** feature, ensuring seamless content loading and an improved user experience.
- Integrated a **nested comment system**, allowing for organized and hierarchical discussions among users.
- Built a notification system using **websockets** and **socket.io** to enable real time updates for user interaction.

Flux - Youtube Notes Generator 🔗

🐙 Repository

React JS, Notion API, Typescript

- Developed a YouTube notes generator app that converts video content into descriptive notes in **markdown** format.
- Enabled **AI model selection** (GPT-3.5 Turbo, GPT-4) for tailored note generation.
- Added a feature where users can integrate their **custom api keys** for unlimited access with model selection.
- Implemented a feature using **notion api** where users can add notes to their notion workspaces.
- Incorporated **bookmarking** and **sharing** features for note management and collaboration.

Circuit GPT - AI assistant for electrical engineers 🔗

🐙 Repository

Next JS, Typescript, Open AI (Hackathon Project)

- Led the development of an **AI assistant** tailored for substation equipment maintenance queries.
- Fine-tuned** OpenAI's GPT-3.5 Turbo model for this specific domain and purpose.
- Designed intuitive user interfaces and **conversational flows** for natural interaction with the AI assistant.
- Collaborated closely with subject matter experts and **electrical engineers** to validate the assistant's outputs.

Leadership / Extracurricular

IIC (E-Cell)

March 2023 – October 2023

Entrepreneurship Team Lead

CV Raman Global University

- Led the execution of **numerous technical events** at our college entrepreneurship cell.
- Coordinated cross-functional teams, delegated tasks, and motivated volunteers for seamless event planning.
- Collaborated with industry experts to curate insightful and engaging technical events.
- Gave a talk to **200+ college students** around my experience of building products in the past.

Education

CV Raman Global University

Sep. 2020 – May 2024

Bachelor of Technology in Computer Science

Bhubaneswar, Odisha