RAJAT VERMA

📞 +91-9264948778

✉ rajat311201@gmail.com

📍 Lucknow, Uttar Pradesh

○ Github
in Linkedin
⊘ Leetcode

My Portfolio

EDUCATION

Indian Institute of Technology, Mandi
B.Tech. Engineering Physics - 7.14 CGPA

📅 Nov 2020 - June 2024

St. Antony's Inter College
XII, ISC Board, Percentage - 94%

📅 April 2018 - March 2019

WORK EXPERIENCE

Nucleus Software - SDE (Internship) 📅 Jan'23 - June'23

- Built the UI of WiQR using **React, Redux Toolkit** and **SASS.** WiQR is a query resolution platform having wiki as the only source of data. Built **JWT Authentication** system using **NodeJS and ExpressJS.** Used **Cypress** for E2E Testing.
- Task was to Revamp the UI (earlier built in JSP) and increase the data sources of wiqr such as excel files, word files, JIRA issues, deployment documents, user guides etc.
- Built **Rest API's** using **Spring Boot** for parsing excel files and word files using **Apache POI** library and saving data to **Elastic Search.** Configured **Spring Scheduler** to parse files twice a day.

Svasth360 - SDE (Part Time Internship) 📅 Apr'23 - May'23

- Built **Rest API's** for Appointment booking feature and integrated mailing service using **NodeJS** and UI using **React Native** for the HealthCare Startup Funded by Catalyst IIT Mandi.
- Built Svasth360 website using **NextJS** and integrated prebuilt services like **authentication,** doctors and patients dashboard, appointment booking, edit profile, add family members etc.
- Integrated **Video Call** feature using **Agora SDK** in **NextJS** app for patient and doctor on demand video communication and booking video call appointments for future.

PROJECTS

The Wild Oasis - A Client Side Rendered React App ○

- Developed a **React** based Web App for hotel employees, with user authentication and authorization through **Supabase** , including **CRUD** operations on cabins and bookings.
- Utilized **React Query** for remote state management and integrated a Dark Mode feature via **React Context API.**
- Developed an Admin Dashboard featuring insightful data visualization, including Statistics for 7, 30 and 90 days, Pie charts, and Line charts using the **Rechart Library.**
- Employed **React Hook Form, Styled Components** and **React Router** to optimize form handling, enhance styling, and enable seamless navigation within the app.

Adventour - A Server Side Rendered NodeJS App ○

- A fictional Tour booking website made with **NodeJS, Express, Mongoose & MongoDB** .
- Built the **REST API** for CRUD operations on tours, reviews, bookings including user authentication and authorization. The SSR app implements **MVC architecture** with **EJS** as the template engine.
- Modules such as **Mongo-Sanitize, Helmet, XSS, HPP** are used to prevent attacks, **Bcrypt** for storing hashed password, **JWT** for stateless authentication are also used in the app.

TECHNICAL SKILLS

- **Languages** : JavaScript, TypeScript, Java, Dart (Flutter), Python, C++
- **Libraries/Framework** : React, NextJS, React Native, Flutter, ExpressJS, NestJS, Spring Boot, Django, Flask, Mongoose, Cypress, Playwright, Tailwind CSS, Pandas, Numpy, MatPlotlib,
- **Databases** : MongoDB, PostgreSQL, MySQL
- **Others** : DBMS, OOP, NodeJS, SQL, SASS, CSS, Git & Github, Docker, Supabase, Firebase, SQL, Postman, VSCode

POSITION OF RESPONSIBILITY

- Coordinator of DevPrompt - Programming Club IIT Mandi
- Web Development Co-coordinator - (SNTC) Science and Technology Council IIT Mandi
- Web Development Head - Xpecto'23 - Technical Fest IIT Mandi
- Frontend Head - Xpecto'22 - Technical Fest IIT Mandi
- Web Development Team - Astrax22 - Astronomy Fest of IIT Mandi