

# RAJAT VERMA

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 Github

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 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** for the HealthCare Startup Funded by Catalyst IIT Mandi. Integrated Appointment and Add family members feature and fixed UI bugs in the mobile app built using **React Native**.
- 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