

# RAJAT VERMA

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Github  
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Leetcode

My Portfolio

## EDUCATION

Indian Institute of Technology, Mandi	Nov 2020 - June 2024
B.Tech. Engineering Physics - 7.14 CGPA	
St. Antony's Inter College	April 2016 - March 2019
XII, ISC Board - 94%   X, ICSE Board - 94%	

## WORK EXPERIENCE

Nucleus Software - SDE (Internship)	Jan'23 - June'23
<ul style="list-style-type: none"><li>Built Rest API's using Spring Boot for parsing excel files and word files using Apache POI library. Integrated Elastic Search DB with NodeJS for querying NightWatcher data. Increased sources for the platform to include deployment docs, user guides, excel files. Configured Spring Scheduler to parse files twice a day and then upload to Elastic search.</li><li>Built the UI of WiQR (a query resolution platform for Nucleus) 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.</li></ul>	
Svasth360 - SDE (Part Time Internship)	Apr'23 - June'23
<ul style="list-style-type: none"><li>Developed Rest API's in Node &amp; ExpressJS for Appointment booking and integrated mailing service using Nodemailer and mobile app UI using React Native for the HealthCare Startup Funded by Catalyst IIT Mandi.</li><li>Built Svasth360 website using NextJS and integrated prebuilt services like authentication, doctors and patients dashboard, appointment booking, profile management.</li><li>Integrated Video Call feature using Agora SDK in NextJS app for patient and doctor on demand video communication and booking video call appointments.</li></ul>	

## PROJECTS

The Wild Oasis - A Client Side Rendered React App	
<ul style="list-style-type: none"><li>Developed a React based Web App for hotel employees, with user authentication and authorization through Supabase , including CRUD operations on cabins and bookings (including check-in and check-out guests)</li><li>Utilized React Query for remote state management and integrated Dark Mode feature via React Context API.</li><li>Built an Admin Dashboard featuring insightful data visualization, including Statistics for 7, 30 and 90 days, Pie chart, and Area chart for sales and stay duration using the Rechart Library.</li><li>Employed React Hook Form, Styled Components and React Router to optimize form handling, enhance styling, and enable seamless navigation within the app.</li><li>Cabins and Bookings page includes filters with booking status, discounts etc. with sorting items and pagination.</li></ul>	
Adventour - A Server Side Rendered NodeJS App	
<ul style="list-style-type: none"><li>A fictional Tour booking website made with NodeJS, Express, Mongoose &amp; MongoDB .</li><li>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.</li><li>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.</li></ul>	

## TECHNICAL SKILLS

- Languages : JavaScript, TypeScript, Java, Python, C++
- Libraries/Framework : React, React Native, NextJS, ExpressJS, Spring Boot, Mongoose, Cypress, Tailwind CSS, Flutter, Pandas, Django, Flask, Numpy, Matplotlib,
- Databases : MongoDB, Redis, PostgreSQL, MySQL
- Others : NodeJS, SASS, CSS, ShadCN UI, SQL, Git & Github, Docker, Supabase, Firebase, 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, Frontend Head - Xpecto'22 Technical Fest IIT Mandi
- Web Development Team - Astrax22 - Astronomy Fest of IIT Mandi