

# SAI TEJA J

Hyderabad, Telangana

[+91-8328138836](tel:+91-8328138836) [Portfolio](#) [✉ saitejaj07@gmail.com](mailto:saitejaj07@gmail.com) [in linkedin.com/in/saiteja1224](https://www.linkedin.com/in/saiteja1224) [github.com/SaiTeja1224](https://github.com/SaiTeja1224)

## Technical Skills

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**Languages:** Javascript, Typescript, HTML, CSS, MongoDB

**Frameworks/Libraries:** React, Next, Prisma, JWT, Zod, Express, Mongoose, Zustand, Redux

**Technologies/Tools:** Linux, VS Code, Webpack, Vite, Babel, GitHub, Github Actions, Redis, Contentful, Nginx, OAuth

## Experience

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### CtrlCampus

Oct 2022 – Current

Software Engineer

Hyderabad, Telangana

- Developed and maintained Enterprise Resource Planning (ERP) modules for a thorough education management system, enhancing efficiency across various administrative tasks, financial reports, inventory management, staff management.
- Assisted in development of the front end of a web application for using React as a base framework with TypeScript.
- I helped build a base for design styles to effect the whole application that made the design aspect of the application straightforward which in turn realized about 30% increase in load times and readability.
- Implemented multiple components for the application, including finance modules, organization management, attendance tracking, communication (whatsapp, sms, notifications), role-based routing, permissions and other crucial ERP features for clients.
- Designed and implemented scalable backend services using Node.js, Express, MongoDB, and Redis, following a microservices architecture to segregate and optimize business operations to ensure efficient data management.
- I worked with the clients in ongoing support, including the roll out of updates and enhancements, new features based on client feedback.

## Projects

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### Personal Blog [\(source\)](#) [🔗](#) | Next, React, TypeScript, Contentful, Tailwind

August 2024

- Developed and maintained a dynamic blog platform, leveraging modern web technologies such as Next.js, Contentful, and Tailwind CSS to deliver a seamless content management and user experience.
- Implemented features including category and tag filtering, responsive design, dark/light mode toggle utilizing tailwind and client components in Next.
- Blog content in the form of markdown rendering process was achieved by utilizing react-markdown and styled using tailwind plugin for typography - prose.
- Utilized contentful's easy to access dashboard as an Headless Content Management System (CMS) which allowed for cool customization of the type of content to be displayed using its content model and content types system.

### Topic Scouter [\(source\)](#) [🔗](#) | React, TypeScript, React-Query, Express, Mongoose, Tailwind

May 2024

- Designed and built a platform where users can search for various topics and sort them based on the number of votes and ratings which can be done by authenticated users, both in ascending and descending order.
- Implemented React Query to efficiently handle asynchronous data fetching, caching, and synchronization allowing for smoother data access to users.
- Utilized JSON Web Tokens (JWT) to authenticate users, providing a login mechanism and ensuring that only authenticated users can access rating functionality.
- Built a rating system accessible for logged in users. This system captures and stores user ratings, enabling dynamic topic ranking based on community feedback.

### YelpCamp [\(source\)](#) | Node, JavaScript, Express, EJS, Bootstrap

October 2021

- An application where you can add campground sites, comment under the post and post reviews about the place you visit utilizing EJS as the base for generating the page and Bootstrap as the source for styles.
- A CRUD application exposed using a RESTful API made with Node.js. Exposed HTTP methods in order to work on campgrounds, reviews, user authentication using Express.
- Managed data collections using NoSQL database MongoDB through Mongoose ODM connecting to a database instance in MongoDB Atlas.
- Integrated external libraries such as MapBoxSDK to allow users to view posted campgrounds on a map. PassportJS to help with user login sessions and authorization flows. Finally, deployed the code base using Heroku.

## Education

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### Guru Nanaki Institute of Technology

Jul. 2018 – Jul 2022

Bachelor of Technology in Computer Science and Engineering

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