

# NISHANT RACHERLA

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[Portfolio](#)

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Cupertino, CA

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## SKILLS

React, Next.js, Redux, TypeScript, JavaScript, Tailwind CSS, Node.js, Express, Ruby on Rails, Ruby, REST APIs, Websockets, SQL, PostgreSQL, MongoDB, Python, HTML, CSS, MUI, Babel, Webpack

## WORK EXPERIENCE

### Software Development Internship

*Intense Technologies Ltd.*, Oct 2021 - Dec 2021

- Developed a **React** application to streamline budget tracking; assisted project managers in monitoring the progress of projects.
- Built dashboards and reports incorporating budget tracking metrics and formulae using project management principles, including Budget at Completion (BAC) and Cost Performance Index (CPI).
- Visualized the data using **Chart.js** allowing project managers to have a better understanding of a project's current status.

### Software Development Internship

*Intense Technologies Ltd.*, May 2020 - Jun 2020

- Developed a COVID-19 statistics dashboard using **React** and the John Hopkins Coronavirus Resource Center public API.
- Implemented interactive data visualizations using **Google Charts** to display national and international COVID-19 trends.
- Led a team of two software engineers to continuously improve the dashboard's performance, ensuring consistent data updates.

## EDUCATION

**Sreenidhi Institute of Science and Technology** - Bachelor of Science, Computer Science (Aug 2022)

**App Academy** - 1000-hour immersive full-stack web development course with <3% acceptance rate (Feb 2023)

## PROJECTS

### Rizzume

[Live Site](#) | [Github](#)

*A resume grading tool to help job seekers optimize their resumes, built using Next.js, TypeScript, and Tailwind CSS.*

- Implemented a user-friendly interface with **Next.js** and **Tailwind CSS**, allowing users to input job descriptions and upload PDF resumes for analysis, using keyword matching to generate a score based on compatibility.
- Deployed the application seamlessly by leveraging **Vercel's** platform, enabling automatic scaling and providing robust security mechanisms.
- Collaborated closely with two software engineers in a fast-paced hackathon environment, improving teamwork and time management, winning the **Descope Challenge** at the **DeveloperWeek CloudX 2023 Hack**.

### Resonance

[Live Site](#) | [Github](#)

*A full-stack web application inspired by Discord, built using React, Redux, HTML, CSS, Ruby on Rails, PostgreSQL, and Action Cable.*

- Implemented real-time chat functionality using **Action Cable** (**Ruby on Rails** implementation of Websockets) and **Redis** for user communication.
- Built user interactions with **Websockets** enabling instant updates to the UI without page refreshes or additional requests to the backend allowing for a seamless user interface.
- Constructed a defensive mechanism against predictable serial number attacks using **AES** to encrypt and decrypt invite links.
- Integrated **Redux** state management to streamline communication between the frontend state and the backend data.

### ViewFinder

[Live Site](#) | [Github](#)

*A single-page web application developed to help photographers find and share lesser-known photo locations, built using Mongo, Express, React, Redux, Node.js, HTML, CSS, and AWS.*

- Designed the frontend architecture and established code patterns along with a team of four, speeding up the development process.
- Developed multiple reusable **React** components, reducing code redundancy and improving the maintainability of the app.
- Incorporated custom markers through the **Google Maps API** along with clustering of markers based on the current zoom level, improving user experience and legibility.
- Managed debugging of various issues in the **React-Redux** and request-response cycle implementations, allowing for a streamlined and efficient development experience for the team.