

# NISHANT RACHERLA

650-609-7128

[nishant.racherla@gmail.com](mailto:nishant.racherla@gmail.com)

[Portfolio](#)

[Linkedin](#)

[Github](#)

Cupertino, CA

## SKILLS

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

## EXPERIENCE

### Software Development Internship

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

- Developed a **React** application, "**Project Budget Tracker**", that implemented Earned Value Management and allowed project managers to effectively monitor project budgets.
- Collaborated with **Django** backend engineers to design APIs and productionized the frontend for seamless integration.
- Successfully trained and onboarded teams on the tool, resulting in improved financial performance across 100+ projects company-wide.

### 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, enhancing user understanding of the pandemic's global impact.
- Spearheaded a team of two to continuously improve the dashboard's performance, ensuring consistent data updates.

## EDUCATION

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

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

## 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 using **Next.js** and **Tailwind CSS**, allowing users to input job descriptions and upload PDF resumes for analysis, utilizing 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 team members 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 most user interactions such as Friend Requests utilizing **Websockets** enabling instantaneous updates to the UI without page refreshes or additional requests to the backend.
- Constructed a defensive mechanism against predictable serial number attacks using **AES** to encrypt and decrypt Invite links.
- Harnessed **Redux** state management to streamline the communication between the frontend and the backend and implemented well-rounded CRUD functionality with **Websockets**, allowing users to make changes seamlessly.

### 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 to help a team of four by reducing time for code reviews.
- 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.