Nishant Racherla

650-609-7128   nishant.racherla@gmail.com   **Portfolio**   **LinkedIn**   **GitHub**   Cupertino, CA

SKILLS

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

EDUCATION

Sreenidhi Institute of Science and Technology - Bachelor's Degree, **Computer Science** (Aug 2022)
App Academy - 1000-hour immersive full-stack web development course with <3% acceptance rate (Feb 2023)

OPEN SOURCE

- **Dhravya/dump.place**: Created loading pages with skeletons, reducing initial page load time by 98%.
- **himself65/npm-download-stat**: Implemented loading spinner and disabled search button during data fetching using useFormStatus, enhancing UX.
- **TheAlgorithms/TypeScript**: Contributed math functions and corresponding unit tests to be used as utilities repository-wide.

WORK EXPERIENCE

Software Development Internship - *Intense Technologies Limited (Hyderabad, India)*   Oct 2021 - Dec 2021
- Developed **React** application to streamline budget tracking; assisted project managers in monitoring project progress.
- 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 data using **Chart.js** allowing project managers to better understand current project status.

Software Development Internship - *Intense Technologies Limited (Hyderabad, India)*   May 2020 - Jun 2020
- Developed COVID-19 statistics dashboard using **React** and Johns Hopkins Coronavirus Resource Center public API.
- Implemented interactive data visualizations using **Google Charts** to display national and international COVID-19 trends.
- Led team of software engineers to continuously improve dashboard performance, ensuring consistent data updates.

PROJECTS

Rizzume   **Live Site** | **GitHub**
Resume grading tool to help job seekers optimize their resumes, built using Next.js, TypeScript, Tailwind CSS.
- Implemented 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 scores based on compatibility.
- Integrated **OpenAI's Chat Completions API**, providing users with personalized suggestions by analyzing user resumes and job descriptions.
- Ranked 1st in **Descope Challenge** at **DeveloperWeek CloudX 2023 Hack** with team of two other software engineers.

Resonance   **Live Site** | **GitHub**
Full-stack web application inspired by Discord, built using React, Redux, HTML, CSS, Ruby on Rails, PostgreSQL, Action Cable.
- Implemented real-time chat functionality using **Action Cable** and **Redis** for user communication.
- Built user interactions with **Websockets** enabling instant updates to UI without page refreshes or additional network roundtrips allowing seamless user interface.
- Constructed defensive mechanism against enumeration attacks using **AES** to encrypt and decrypt invite links.
- Integrated **Redux** state management to streamline communication between frontend state and backend data.

ViewFinder   **Live Site** | **GitHub**
Single-page web application for photographers, built using Mongo, Express, React, Redux, Node.js, HTML, CSS, AWS.
- Designed frontend architecture and established code patterns with team of four, speeding up development.
- Incorporated custom markers through **Google Maps API** along with clustering of markers based on current zoom level, improving user experience and legibility.
- Managed debugging of various issues in **React-Redux** and request-response cycle implementations, allowing for streamlined and efficient development experience.