

# Nishant Racherla

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[Portfolio](#)

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[GitHub](#)

Hyderabad, India

## SKILLS

Next.js, React, Redux, TypeScript, JavaScript, Tailwind CSS, HTML, CSS, Prisma, Drizzle, Node.js, Express, Ruby on Rails, Ruby, Serverless Databases, PostgreSQL, MongoDB, REST APIs, Websockets, Shadcn UI, Radix UI, MUI, Python, Babel, Webpack

## WORK EXPERIENCE

### Founding Frontend Engineer - ShopDigest (Remote, India)

Sep 2024 - Present

- Joined an early-stage startup as a Frontend Engineer and was later promoted to Founding Frontend Engineer after demonstrating key contributions, leading the development of a performant web application using **Next.js**.
- Optimized application performance by implementing **Incremental Static Regeneration** and **parallel data fetching**, reducing page load times by over 85%.
- Built over 30 interactive and reusable chart components, providing valuable insights for around 10500 apps, 2189 keywords, 163 categories, and 120 collections.

### Full Stack Engineer - ProfessorAI (Remote, US)

Jan 2024 - May 2024

- Designed and implemented high-performance, reusable PDF viewer component for displaying textbooks containing over 1000 pages in chats, decreasing resource consumption by 80%.
- Collaborated closely with CTO to develop and deploy 5 different chat plugins, enhancing platform functionality.
- Untangled state management system and documented the findings for easier developer onboarding.

### 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.

## EDUCATION

**Sreenidhi Institute of Science and Technology**, Hyderabad, India - 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.

## PROJECTS

### DishCraft

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

*One-stop store for all your recipes, built using Next.js, TypeScript, Drizzle ORM, Serverless Postgres, Vercel KV, Vercel Blob.*

- Utilized **Partial Pre-Rendering (PPR)**, **Server Actions**, and **Dynamic Rendering** in **Next.js**, achieving 99+ Google PageSpeed Insights scores in every category.
- Implemented **trigram matching** using **pg\_trgm indexes** for multiple fields, reducing search query speeds by 96.5%.
- Incorporated rate limiting using **Vercel's KV database**, preventing excessive database querying and malicious traffic.

### 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 round trips allowing seamless user experiences.
- Constructed defensive mechanism against enumeration attacks using **AES** to encrypt and decrypt invite links.