

Harshal Ranjhani

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Education

Vellore Institute of Technology

Expected May 2025

Bachelor of Technology in Computer Science with specialization in IOT (CGPA: 9.23 / 10.00)

Vellore, India

- **Relevant Achievements:** Projects Lead at IET-VIT, YANTRA Hack-Track Winner, WomenTechies'22 Best Freshers

Experience

Jiibs

May 2024 – Present

Backend Intern

Remote

- Engineered and optimized backend functionalities utilizing Next.js and MongoDB, significantly enhancing project performance, scalability, and data integrity.
- Collaborated effectively within an agile development team, contributing to backend architecture design and implementing efficient data management solutions.

Codeparrot.ai

Mar 2024 – Present

Technical Writer

Remote

- Authored insightful and technical blogs on React.js, Next.js, and Git, advancing community knowledge and adoption of modern web development practices.
- Developed and implemented content strategies focused on SEO optimization, substantially increasing organic traffic and user engagement on the platform.

Soundverse.ai

Jun 2023 – Jan 2024

Full Stack Developer, Intern

Remote

- Spearheaded the creation of Soundverse.ai's studio and SaaS platforms using Next.js, React.js, and MongoDB, enhancing content delivery and user engagement. Integrated Google Cloud Platform for system optimization, achieving significant improvements in performance and scalability.
- Designed and developed a high-quality audio processing pipeline with Google Cloud and FFmpeg, enabling advanced online editing capabilities. Pioneered a user-generated library system for custom audio configurations, enhancing user experience.

Projects

Genie | Golang, Cobra, Homebrew

- Developed Genie, an AI-powered CLI tool deployed on Homebrew, designed to assist beginners in learning CLI commands and acting as a personal assistant.
- Implemented features to generate music, execute commands, generate images, and respond in a text-to-text manner, enhancing user interaction and productivity.
- Enhanced tool optimization and safety with an ignore list to exclude folders like node_modules, improving performance and security.

Nerd Nest | Shadcn UI, Next.js, Supabase

- Built Nerd Nest, a Next.js application with Shadcn UI and Supabase to assist with placement preparation and progress tracking.
- Integrated LeetCode connectivity, custom question addition, and starred question management, enabling users to personalize their preparation.
- Implemented email notifications for starred questions and integrated a GPT chatbot to assist with related queries, enhancing user support and engagement.

Technical Skills

Languages: Typescript, Javascript, Go, Java, C, C++, Python

Technologies: Next.js, React.js, Express.js, Node.js, MongoDB, PostgreSQL, Redux, Tailwind, Bootstrap, Cobra, Svelte, Github Actions, Ffmpeg, Google Cloud Platform, Supabase

Concepts: Rest API, Database Normalization, Git, CI/CD, Agile Methodology, Cloud Computing