

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

Codeparrot.ai

Mar 2024 – Present

Technical Writer

Remote

- Authored insightful and comprehensive blogs on cutting-edge frontend technologies including React.js and Next.js, contributing to the tech community's knowledge and understanding of modern web development practices.
- Engaged with a wide audience by breaking down complex technical concepts into accessible content, boosting reader engagement and promoting the adoption of innovative web technologies.
- Played a key role in content strategy development, focusing on topical relevance and SEO optimization to enhance online visibility and drive traffic to Codeparrot.ai's platform.

Soundverse.ai

Jun 2023 – Jan 2024

Full Stack Developer, Intern

Remote

- Spearheaded the creation of Soundverse.ai's studio platform, employing Next.js and React.js, and played a pivotal role in developing its SaaS platform, enhancing both with MongoDB for efficient content delivery and user engagement.
- Contributed significantly to system optimization and data management through the integration of Google Cloud Platform, achieving marked improvements in application performance and scalability.
- Designed and developed a high-quality audio processing pipeline using Google Cloud and FFmpeg, enabling advanced online editing capabilities for users, alongside pioneering a user-generated library system for custom audio configurations.

Projects

go-furnace | GoLang, Cobra

- Developed go-furnace, a concurrent boilerplate generator using Golang, designed to streamline and automate the generation of project templates, significantly reducing development time and effort.
- Utilized Golang's powerful concurrency features to support the generation of multiple boilerplate templates simultaneously, ensuring efficient and scalable project initialization while catering to diverse development needs with four distinct templates.

Xssorcist | Node.js, Express.js, React.js, Cheerio.js

- Developed a web vulnerability scanner focused on detecting XSS vulnerabilities, using Cheerio.js, Node.js, and React.js, enhancing web security for developers and businesses.
- Implemented a user-friendly interface and powerful scanning algorithms, providing comprehensive vulnerability reports to mitigate potential security threats effectively.

YelpCamp | Node.js, EJS, MongoDB, Cloudinary

- Engineered YelpCamp, a Node.js CRUD application for campground discovery, utilizing EJS templating, fuzzy search, and Mapbox integration to offer a rich user experience for outdoor enthusiasts.
- Designed and implemented a robust backend and intuitive frontend, facilitating user contributions of campground sites and fostering a community-driven platform.
- Integrated Cloudinary for image uploads, enabling seamless, efficient handling and storage of user-generated content, enhancing the site's functionality and user experience by allowing visual representation of campgrounds.

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

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