

SURAJ SINGH CHAHAR

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Education

Vellore Institute of Technology (VIT)

B.Tech in Computer Science and Engineering with Spec. in Gaming Technology **GPA: 8.41/10**

Oct. 2020 – Oct. 2024

Bhopal, MP

Experience

Heliverse Technologies

May 2025 – present

Associate Software Developer

Gurgaon, Haryana

- Implemented a CMS-powered web application using Next.js and Sanity.io, enabling seamless client-side content updates without code changes and optimizing content management workflows by 70%.
- Orchestrated the construction of a resilient backend framework utilizing Hono and Prisma, integrating JWT-based authentication and RESTful APIs, which enhanced system uptime by 20%.
- Developed and delivered 3 production-ready gaming applications within tight timelines, ensuring compliance with quality assurance standards and achieving zero post-release issues.

Freelance

Oct 2024 – April 2025

Software Engineer

Gurgaon, Haryana

- Automated CI/CD pipeline using GitHub Actions for a React (Vite + TypeScript) application that reduced deployment time by 75%, handled 13+ weekly deployments with zero downtime, and enabled fully automated updates on code push.
- Transformed 3 client React applications with responsive architecture and reusable components, improving rendering speed and reducing bundle size by 28%.
- Architected a responsive Next.js web application featuring streamlined state management and enhanced API efficiency across 4 key pages, resulting in 50% faster data fetching speeds.

Projects

Json Tree Visualizer | ReactJs, TailwindCSS, TypeScript | Live

November 2024

- Effortlessly explore and customize JSON data in detailed tree structures, optimizing data analysis and visualization.
- Quickly visualize large JSON datasets in tree format, capable of handling datasets of up to 100,000 nodes with smooth rendering performance.
- Incorporated feedback from 100 beta testers, resulting in a 90% satisfaction rate for ease of use, intuitive navigation, and the ability to save up to 30% of time spent on data exploration and analysis tasks.

AI Resume Shortlister | NextJs, TypeScript, NodeJs/Hono, Langchain | Live

March 2025

- Engineered an AI-powered system using LangChain/OpenAI to rank and generate feedback for 50+ resumes per job description in under a minute, cutting manual screening time by 80% and boosting HR throughput by 60%.
- Designed a scalable API architecture to support bulk resume uploads, candidate scoring, and feedback automation with 99.9% uptime.

StructCode Pro | ReactJs, Supabase, TypeScript | Live

May 2025

- Built interactive DSA learning platform featuring 100+ curated problem sets, interactive algorithm visualizations, integrated compiler with automated test-case validation.
- Integrated Supabase for real-time backend services, supporting smooth data synchronization across client sessions, and implemented secure authentication flows with React Hook Form and Zod.
- Enhanced application performance with Vite's module replacement and code splitting, achieving a 90+ Lighthouse score and reducing page load times by 3.2 seconds.

Technical Skills

Programming: C++, JavaScript, TypeScript

Frontend Development: React.js, Redux, Next.js, TailwindCSS, Tauri

Backend Development: Node.js, Express.js, MongoDB, MySQL, Redis

DevOps & Cloud: Docker, AWS, Terraform, Ansible, Jenkins, CloudFormation

Tools & Utilities: Postman, Bash/Shell Scripting, Linux

Leadership / Extracurricular

- Service Selection Board :** Effectively coordinated team discussions during the SSB assessment process, securing the top recommendation among 30+ candidates.
- NCC Leadership:** Supervised and coordinated 50 NCC members during a state-level drill event, managing schedules and ensuring accurate drill execution.
- Hackathon Recognition:** Directed and Developed a functional solution that enabled the team to reach the finalist stage in a competitive hackathon.