SURAJ SINGH CHAHAR

Gurgaon, Haryana

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Education

Vellore Institute of Technology (VIT)   **October 2020 – October 2024**
B.Tech in Computer Science and Engineering with Spec. in Gaming Technology **GPA: 8.41/10**   *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   **October 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%.
- Pioneered a responsive Next.js application featuring optimized state management across four key pages; this reduced data fetching speeds by 50% and reduced latency, improving response times by 30%.

Projects

StructCode Pro | *ReactJs, Supabase, TypeScript* | <u>Live</u>   **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.
- Accelerated application speed using Vite's module replacement and strategic code splitting, fulfilling a 90+ Lighthouse score and shrinking initial page load times by a substantial 3.2 seconds.

AI Resume Shortlister | *NextJs, TypeScript, NodeJs/Hono, Langchain* | <u>Live</u>   **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.

Json Tree Visualizer | *ReactJs, TailwindCSS, TypeScript* | <u>Live</u>   **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.

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.