AKSHANSH SINGH

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🔗 GitHub 🌐 Portfolio

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. (EE)	Vellore Institute of Technology, Chennai	9.00	2022-2026
Senior Secondary	CBSE Board	95.0%	2022
Secondary	CBSE Board	89.6%	2020

EXPERIENCE

- **Software Engineering Internship Simulation** — *December 2024*
  GE Aerospace — Remote
  - Completed a Vue.js UI development simulation for the Frontend Development Team, demonstrating proficiency in Vue SFC Playground.
  - Drafted clear technical requirements for a feature, suggesting optimal order times for plane parts.
  - Explored strategies to align technical specifications with business requirements, ensuring effective solutions.

- **Lead UI/UX Designer** — *May 2023 – May 2025*
  IEEE Comsoc — Chennai, India
  - Designed and developed user interfaces for IEEE Comsoc's web platforms, improving user experience and engagement.
  - Conducted user research and usability testing to drive design improvements and enhance user satisfaction.
  - Collaborated with developers and stakeholders to create visually appealing designs that align with IEEE Comsoc's brand.

PROJECTS

- **Travelite | Next.js, Gemini API, Firebase, Framer-motion, Typescript, Python, Acternity-UI** 🔗 — *Oct. 2024*
  - Developed Travelite, an AI-driven platform generating customized trips based on user preferences and past travel history.
  - Integrated features such as a virtual tour guide with high-quality imagery, multilingual audio guides, and an interactive trip map using Leaflet, enhancing user experience and engagement.
  - Utilized APIs like Gemini and Google Maps for trip planning and street views, alongside secure user authentication with Clerk, to ensure a seamless and secure user experience.

- **Nebulo | Next.js, Typescript, tRPC, Postgresql, Github API, Gemini** 🔗 — *May. 2025*
  - Developed Nebulo, a full-stack web application for GitHub codebase analysis with AI-powered question answering and automated README generation.
  - Implemented secure payment infrastructure with Razorpay integration and credit-based billing system, alongside Clerk authentication for user management and protected route access.
  - Built scalable backend architecture using tRPC for type-safe APIs, Prisma ORM with PostgreSQL, and GitHub API integration for real-time repository synchronization and codebase analysis.

- **SlotWise | Next.js, TypeScript, Tailwind CSS/Shadcn UI, Prisma, PostgreSQL** 🔗 — *June. 2025*
  - Designed and optimized a dynamic spaced-repetition scheduler and interactive review interface, boosting study retention and user engagement.
  - Implemented session scheduling, spaced-repetition flashcards, and progress analytics using Chart.js and Tailwind CSS
  - Integrated Clerk authentication, a serverless cron for auto-resetting sessions, and deployed on Vercel

TECHNICAL SKILLS

- **Programming:** Java, C, JavaScript, TypeScript, SQL
- **Frameworks:** React, Express.js, Node.js, Next.js, Tailwind CSS, Shadcn UI
- **Developer Tools:** Linux, Docker, Git, GitHub, VSCode, Vercel, Prisma, Figma
- **Databases:** MongoDB, PostgreSQL, Firebase, NeonDB, Supabase

CO-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- **Winner, Google Gen AI Hackathon (Akasa Air track)** – 30,000+ participants — *Oct. 2024*
- **Member, IEEE CompSoc (Design and UI/UX)** — *May 2023 - May 2025*