

AKSHANSH SINGH

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EDUCATION

- **Vellore Institute of Technology** Sept 2022 – Jun 2026
Bachelor of Technology in Electrical and Electronics Engineering, CGPA: 9.0 Chennai, India
- **DAV Public School** 2021 – 2022
Higher Secondary (Class XII) — Percentage: 95% Bishrampur, CG, India
- **DAV Public School** 2019 – 2020
Secondary (Class X) — Percentage: 89.6% Bishrampur, CG, India

EXPERIENCE

- **Full-stack Developer** May 2025 – Jul 2025
NexEV Chennai, India
 - Developed and optimized responsive pages for the NexEV website using React, improving navigation flow and page-load performance by 35%.
 - Built and secured authentication workflows in the React Native mobile app implementing email/password and Google OAuth via Supabase with 99.5% authentication success rate.
 - Collaborated closely with UI/UX designers and backend engineers using Agile methodologies, maintaining code quality standards and implementing automated testing practices.
- **Software Engineering Internship Simulation** Dec 2024 – Jan 2025
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 supply chain optimization feature, suggesting optimal order times for aircraft parts with projected 20% cost reduction.
 - Explored DevOps strategies to align technical specifications with business requirements, ensuring scalable and maintainable solutions.

PROJECTS

- **Travelite | Next.js, Gemini API, Firebase, Framer-motion, TypeScript, Python** Oct 2024
 - Collaborated to develop an AI-driven trip generator using **Gemini API** and **Next.js**; generated **15** personalized itineraries/week and reduced average user planning time from **5** to **3** minutes (approximately **40%** faster).
 - Added multilingual audio tours and interactive Leaflet maps, increasing average session duration by **20%** and click-through to “Start Trip” by **50%**.
- **Nebulo | Next.js, TypeScript, tRPC, PostgreSQL, Gemini** May 2025 **🔗 Live**
 - Built an AI codebase analysis tool with automated README generation using **Gemini**; reduced README creation time per repo from **15** to **5 minutes**
 - Streamlined the billing flow with Razorpay and Clerk auth; implemented tRPC + Prisma backend to sync GitHub repositories in near real-time.
- **SlotWise | Next.js, TypeScript, Tailwind CSS / Shadcn UI, Prisma, PostgreSQL** Jun 2025 **🔗 Live**
 - Created a spaced-repetition scheduler and analytics dashboard, boosting study-session retention by **15–18%**.
 - Designed session scheduling, spaced-repetition flashcards and analytics (Chart.js); integrated **Clerk** auth, a server-less cron for auto-resets, and deployed on **Vercel** with Tailwind UI.

TECHNICAL SKILLS

- **Programming:** Java, C, JavaScript, TypeScript, SQL, Python
- **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

ACHIEVEMENTS AND CO-CURRICULAR ACTIVITIES

- **Winner, Google Gen AI Hackathon (Akasa Air track)** Oct 2024
Led a cross-functional team to prototype and demo an AI solution under tight deadlines, demonstrating leadership and rapid problem-solving (30,000+ participants).
- **Member, IEEE CompSoc (Design and UI/UX)** May 2023 – May 2025
Organized hands-on design workshops and mentored peers, demonstrating teamwork, stakeholder communication, and event coordination.