

# AKSHANSH SINGH

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GitHub

🔗 Portfolio

## EDUCATION

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

## 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
  - 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
  - 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 serverless 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.