Aditya Kumar

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EDUCATION

Dayananda Sagar College of Engineering	Bengaluru, IN
Bachelor of Engineering in Computer Science	*Sep. 2025 – Sep. 2029*
Kendriya Vidyalaya, Air Force Station	Chennai, IN
12th Standard — Percentage: 87%	*2024*
Kendriya Vidyalaya, Air Force Station	Chennai, IN
10th Standard — Percentage: 88.2%	*2022*

ABOUT ME

I've been passionate about computers from an early age, and that curiosity has grown into a strong interest in how technologies are built. I'm a focused, self-driven learner who enjoys building, and continuously expanding my technical skills , it's where I feel most engaged and motivated. I'm always excited to learn, contribute, and take on new challenges that help me grow as an engineer.

PROJECTS

Litspots | *Next.js, TailwindCSS ,React-map-gl*   GitHub
- Built a full-stack real-time social discovery web app enabling users to find, join, and host live hangouts nearby.
- Reduced database load by caching recent API responses and serving stale data to prevent excessive queries.
- Integrated interactive maps with MapLibre GL and react-map-gl to display live hangout locations.
- Used a geocoding API to convert place names into geographic coordinates for accurate map-based discovery.
- Implemented backend APIs and custom authentication using Next.js API Routes, MongoDB, JWT, and bcryptjs.

Multiplayer Cursor | *Express, React, TailwindCSS, Vite, Socket.IO*   GitHub
- Developed a full-stack real-time mouse-sharing web application where users can see each other's cursor activities.
- Implemented both client and server logic using React and Express with Socket.IO for instant bi-directional communication.
- Added cursor smoothing to reduce jitter caused by network lag for a smoother experience.
- Used TailwindCSS to build a clean and lightweight interface.

CloutX | *Next.js, TailwindCSS*   Live Demo
- Designed and built the frontend landing page for CloutX, an investment-on-tweets platform.
- Learned Next.js concepts and used them to create responsive UI during a 1-month hackathon.

SKILLS

Languages: Python ,JavaScript ,TypeScript ,HTML/CSS ,TailwindCSS ,PostgreSQL ,MongoDB
Frameworks: Next.js ,React ,Node.js ,Express
Developer Tools: Postman ,Git ,Github ,Linux ,VS Code ,Vite
Libraries: Socket.IO ,React-map-gl