



Aviral Gaur

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[Website](#) | [Leetcode](#) | [Github](#) | [LinkedIn](#)

EDUCATION

Course	College / University	Year	CGPA / %
B.Tech (EIoT)	Netaji Subhas University of Technology	2023-27	8.38
Board (Class XII)	M.R.L Public School, Delhi	2023	92.4
Board (Class X)	Arwachin International School, Delhi	2021	96.4

INTERNSHIP

- **Research Internship | NSUT | Delhi** May 2025 - June 2025
 - Research on enhancement of various parameters of perovskite solar cells.
 - Used various software tools such as SCAPS-1D and ORIGIN to simulate and publish results.

PROJECTS

- **FileScope | Github**
 - Modeled an infinitely nestable virtual file system in a flat NoSQL database by engineering an Adjacency List data structure, allowing for highly efficient, flat-table querying of complex folder trees.
 - Engineered a server-side authentication proxy (The "Bouncer" Pattern) for secure file distribution, utilizing high entropy UUIDs, strict TTL (Time-To-Live) expiration policies, and email-based Access Control Lists (ACLs).
- **SpaceCon'25 Website | Github**
 - Official website for SpaceCon'25, annual space science and technology conclave.
 - Designed, developed, hosted and managed complete website.
- **Culinary Corner | Github**
 - A project website that can manage all the basic functions for a restaurant such as make online orders, reservations and maintain account, order history and reservation history.
 - Practical application of various technologies I learned and encountered new problems while using them.

ACADEMIC ACHIEVEMENTS

- Secured department rank 6.
- Participated in SIH and multiple hackathons and webathons.

POSITIONS OF RESPONSIBILITY

- **Technical Coordinator | SpaceCon'25 NSUT** Dec 2024 – Feb 2025
 - Designed and Developed official SpaceCon'25 website.
 - Managed and maintained SpaceCon'25 website.
- **Event Manager | MOKSHA'24 NSUT** Feb 2024 – Mar 2024
 - Helped in ensuring smooth execution of events in MOKSHA.
 - Managed and Ideate various events for the anime mini fest.

TECHNICAL SKILLS

- **Languages:** C++, Javascript, Typescript, Python, HTML, CSS
- **Libraries and Frameworks:** React, React Router, Vite, Nextjs, Express, NodeJs, Tailwind, GSAP, ThreeJs, ShadCN UI, JWT
- **Databases:** MongoDB, Firestore, DynamoDb
- **Services:** AWS, Vercel, Cloudflare, Firebase, Netlify, Github, Docker