



Aakash Raj Jindal

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EDUCATION

Course	College / University	Year	CGPA / %
B.Tech (Mechanical)	Netaji Subhas University of Technology	2027	8.28
CBSE (Class XII)	Amity International School, Mayur Vihar	2023	95
CBSE (Class X)	Delhi Public School, Noida	2021	95.8

INTERNSHIP

- Research Intern | DRDO | New Delhi** May 2025 - July 2025
 - Conducted analytical research on **Abrasive Water Jet cutting** to **demilitarize ammunition**, to optimize efficiency and safety.
 - Benchmarked AWJ against alternatives based on **environmental risk, exposure, and operational cost**.
 - Analyzed **10+ failure cases** to propose **process-level safety enhancements** and **mitigate initiation hazards during operations**.

PROJECT

- PragatiAI – Bridging tradition and technology through AI**
 - Built a full-stack web platform enabling **real-time crop health monitoring** and **adaptive irrigation** for AI-powered smart farming.
 - Designed **dashboards** by integrating **APIs, soil data, and crop analytics** for precision fertilization.
- MediFlow - Revolutionizing Care with AI**
 - Built end-to-end routes for a **Healthcare platform** ensuring **seamless data flow** and **system scalability**.
 - Integrated **AI-powered medical assistant** for **real-time symptom analysis, smart recommendations, and automated patient triage support**.
- Secure Data Wiping for IT Asset Recycling**
 - Developed a secure data wiping application for **Windows, Linux, and Android devices**.
 - Implemented **NIST SP 800-88** compliant erasure with **digitally signed, tamper-proof certificates**.

POSITIONS OF RESPONSIBILITY

- Technology Coordinator | Moksha' 25** Jan 2025 - April 2025
 - Designed and developed the frontend for **Moksha'25**, NSUT's cultural fest with a **1.5L+** student footfall over 3 days.
 - Built a **scalable interface** with **sponsor showcases** and performance optimizations to handle **high user traffic**.
 - Crafted immersive UI/UX experiences with **consistent visual branding** to **boost user engagement**.

ACADEMIC ACHIEVEMENTS

- Gold Medal for Academic Excellence** - Received gold medal for being a scholar for six consecutive years.

TECHNICAL SKILLS

- Programming Languages:** C++, Python, JavaScript
- Version Control:** Git, Github
- Operating Systems:** Linux, Windows
- Frontend:** Bootstrap, jQuery, React, TailwindCSS
- Backend:** Node.js, Express.js
- Data Structures & Algorithms:** Solved more than **300+** questions across **Leetcode, Codeforces**, etc.