



# Aakash Raj Jindal

+91-8527313554 | [Email](#) | [LinkedIn](#)

## 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 foot-fall** 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.**