



Arnav Goyal

High School Student
at Amity International School, Mayur Vihar

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My Website

EDUCATION

Degree	Institute	Year of Completion
Intermediate	Amity International School, Mayur Vihar	2025 (Expected)
Matriculation	Amity International School, Mayur Vihar	2023

PROJECTS

- Catalyx** *May 2024*
Hackathon [Check out](#) | [PitchDeck](#) | [Design](#)
 - A comprehensive toolkit designed to support new startups, offering the essential resources and guidance needed to navigate the complexities of the business world. Catalyx provides entrepreneurs with tools for planning, funding, setting and growing their businesses, helping them overcome early-stage challenges and set a strong foundation for success. It's a one-stop solution for anyone looking to turn their startup ideas into reality.
- Vitalyx** *July 2024*
Hackathon [Check out](#) | [PitchDeck](#) | [Design](#)
 - An innovative healthcare management app aiming to centralize and streamline the Indian healthcare system. Vitalyx offers robust features for both doctors and patients, including seamless hospital admissions, digital health records, and efficient communication channels. The app reduces the reliance on paperwork and cuts down time in emergencies, making healthcare more accessible, efficient, and patient-centric
- Musiqor** *October 2023*
Hackathon [Check out](#) | [PitchDeck](#) | [Design](#)
 - A platform designed to connect musicians, producers, and other music talents, fostering collaboration and innovation in the music industry. Musiqor breaks down the barriers in a traditionally closed-off industry by providing a space where artists can showcase their skills, find like-minded collaborators, and experiment with new ideas, driving creativity and pushing the boundaries of music.
- Railenquish** *November 2023*
Hackathon [Check out](#) | [PitchDeck](#) | [Design](#)
 - An app aimed at enhancing the user experience of Indian Railways, making it more efficient and user-friendly. Railenquish streamlines the booking process, provides real-time updates, and offers advanced features for managing travel plans. It seeks to modernize the railway system by addressing common pain points, improving accessibility, and ensuring a smoother, more reliable journey for passengers.

TECHNICAL SKILLS

- Programming Languages:** Python, JavaScript, Shell Scripting
- Tools:** Figma, Adobe Photoshop, Adobe After Effects, Blender, Cloudflare
- Frameworks:** Flask, TailwindCSS
- Databases:** MySQL, PostgreSQL
- Front-end Technologies:** CSS, React JS, React Native

ACADEMICS

- International Youth Math Challenge, 2024:** Won the Bronze honor for scoring in top 12 percentile in the world
- International Abacus Competition, 2021:** Gold topper at an international level abacus competition
- National Abacus Competition, 2021:** Gold topper at a national level abacus competition
- Global Talent Search Examination, 2023:** Placed in the top 5 percentile across India for Physics, Chemistry and Mathematics

CO-CURRICULAR

- **School CS club (Metaverse):** Currently the Secretary for the School's computer science club
- **Hosting:** Currently organizing the 3rd edition of a large-scale inter-school tech fest across India.
- **Certifications:** I have achieved an IELTS certification with a band score of 8.0 and a Cambridge C1 Advanced (CAE) certificate with a Grade B, demonstrating my proficiency in the English language.
- **Hackathons:** I have had the privilege of winning multiple hackathons, which has enhanced my problem-solving skills and work efficiency. Additionally, I had the opportunity to host a hackathon, which helped me develop strong leadership abilities.
- **Model-UN, 2024:** I have experience participating in multiple Model United Nations conferences which has improved my research skills and global awareness
- **COHORT, 2022:** I was selected as one of the top 12 teams across India to pitch my sustainable business idea to a panel of investors.
- **Louvre Abu Dhabi, 2022:** I have collaborated with the Louvre Abu Dhabi under the DIDI project, providing architectural suggestions to enhance public engagement at the museum
- **Volunteering:** Provided IT support and technical assistance for the school's Youth Power community service program, optimizing digital operations and ensuring smooth technology integration for various initiatives.
- **Sports:** I have participated in the state badminton championship twice, secured multiple district-level wins, and was ranked 3rd in district badminton.

RESEARCH WORK

- **Plasma Pyrolysis**

2020

About

- **Objective:** Researching new techniques for improved waste disposal while ensuring alignment with the Sustainable Development Goals set by the United Nations
- **My Findings:** I conducted research on plasma pyrolysis, a sustainable method for waste disposal aimed at addressing the pressing issue of landfill pollution. This innovative approach not only a more efficient method that current waste disposal but also more economical and mitigated the huge problem of contamination of underground water, which is often tainted by hazardous substances like arsenic and lead from leachate produced by decaying waste.
- **Recognition:** Achieved recognition as one of the top 50 researches at the Children Innovation Festival (CIF) by GUSEC under UNICEF.