

ARYAN MITTAL

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ACADEMIC ACTIVITIES

Amity International School, Sector-6 Vasundhara, Ghaziabad (India)

March 2011 - 2026

- Grade 12: CBSE Physics, Chemistry, Mathematics, English, and Painting
- Grade 10: CBSE Board Examinations Cumulative: 97.2%
- Academic Honours: CBSE Merit Certificate in Grade 10 (2024); Rank 2, Sanskrit National Olympiad (2023)

Standardized Testing

- IELTS: 7 (Listening - 8, Reading -7.5, Writing - 6, Speaking - 7)

“Introduction to Logic and Proofs”, JHU CTY (Center for Talented Youth)

June - July 2025

- Completed 12-week course exploring disciplines including mathematics, logic, and set theory; attended bi-weekly classes and submitted assignments; attended discussion session with international peers

Inspirit AI Scholars

June 2025

- Completed artificial intelligence program taught by Stanford and MIT alumni; completed modules on topics including the fundamental concepts of object detection; developed basic object detection project

“AI and ML Bootcamp”, by Learn with Leaders

April 2025

- Completed 2 week immersive learning program in Python, AL, & ML; gained exposure to emerging technologies in AI & ML in disciplines including object detection and medicine, developed innovative project on fake news detector

“Drone Engineering”, by Maker’s Asylum

January 2025

- Complete 10-hour hands on program on the science and engineering of drones; built, programmed, & utilized drones to collect data via sensors

E-Learning Modules by ISRO (Indian Space Research Organisation)

2024 - 2025

- Attended virtual workshops on aerospace engineering including topics in basic remote sensing, digital cartography, GIS (geographical information systems), and uses of geospatial technologies

Author, Research Paper on AI-Powered Drones

June 2024 - Present

- Independently wrote secondary research paper titled “Scaling Autonomous Flight: Coordinating Mechanics, Edge AI, and Policy to Surpass Energy and Swarm Limits” on the global and local scale scope of AI powered drones as well as their politico-social and engineering challenges; submitted for publication (awaiting results)

COMMUNITY SERVICE ACTIVITIES

Founder, WashWell

2024 - Present

- Conceptualised and implemented a campaign repurposing 400+ single-use plastic bottles into soap dispensers, addressing plastic waste and promoting hygiene in marginalised communities; partnered with Hero Honda showrooms, Bharat Mandapam, and local office spaces to collect bottles, and collaborated with eco-friendly soap manufacturers
- Designed and built automated soap dispensers using PVC waste; installed at the Nirbhed Foundation to serve students from disadvantaged backgrounds
- Conducted hygiene awareness workshops encouraging more informed hygiene practices and COVID safety precautions

Member, Community Service Club

2024 - 2026

- Recruited and managed volunteers for Swachh Bot bottle collection and soap refilling activities, ensuring smooth operations and engagement
- Trained younger students to ideate and conceptualise their own community service initiatives, fostering leadership

WORK EXPERIENCE

Intern, CogniTensor, New Delhi, India

June 2025

- Completed two week internship with sustainability-driven AI company; shadowed team meetings, participated in team discussions, assisted in development of weekly reports; learned about ESG sector in India

EXTRACURRICULAR ACTIVITIES

Cultural Secretary, Amity School Vasundhara Sector 6

2024 - 2025

- Assisted in facilitation of school events and competitions; managed flow of activities, maintained orderliness among students, assisted and accompanied Chief Guests during functions; carried out day to day tasks around school to encourage community spirit

Prefect, Amity School Vasundhara Sector 6

2021 - 2023

- Served as liaison between student and teacher bodies; assisted in conduction of daily assemblies, classroom spirit, and school events; encouraged participation of students in school competitions and community service

Participant (Senior Team), Amity Space Design Competition (ASDC)

February 2025 - Present

- Worked as part of 15-member team on Project *Kritaya*: a Mars settlement design project for 25,000 individuals in the year 2075; developed modules on structural design, energy systems, life support sustainability, transportation, and economic & governance models
- Selected to compete in Second Round in Amity School, Gwalior (August 2025)

Participant, Indian Nationals - Space Settlement Design Competition (INSSDC)

December 2024

- Worked as part of 12-member team on Project *Agastyam*: a space settlement design project
- Collaborated on modules on structural design, operations & infrastructure, human factors & safety, and automation design & services

Participant, Competitions

2023 - Present

- Participated independently in competitions including:
 - National Automobile Olympiad (July 2025, awaiting results)
 - John Locke Essay Writing Competition (July 2025, awaiting results)
 - Space Settlement Workshop at Italian Embassy as the only student selected from my school (December 2024)
 - IMC - India Mobile Conference by Ericson (October 2024)
 - IOQM - Indian Olympiad Qualifier in Mathematics (September 2024; September 2023)

Artist, Independent Portfolio

2024 - Present

- Developed portfolio of work created outside of school; used watercolours, gouache, pencil colours, and charcoal to create series of paintings depicting everyday scenes of India inspired by folk art techniques, titles include:
 - “Market Day Buzz”: showing a vegetable vendor engaging with customers
 - “Delhi Bound”: train station scene with passengers getting ready to board
 - “Roots of Hope”: painting of a man planting a sapling

OTHER SKILLS

Languages: English (proficient), Hindi (proficient), Sanskrit (intermediate)