

NAVYA PODDAR

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EDUCATION

Calcutta International School , Kolkata, India	2023-Present
International Baccalaureate Diploma Program, Grade 12 (Ongoing)	2023-Present
Sushila Birla Girls' School , Kolkata, India	2013-2023
Central Board of Secondary Education, Grade 10 (95.4%)	2022-2023

STANDARDIZED TESTS

• SAT Score: Total - 1520 ; Math - 780; English - 740	2024
• IELTS: Total - 8 ; Listening - 9; Reading - 8.5; Writing - 7; Speaking - 7.5	2023

ACADEMIC HONORS AND AWARDS

• Certificate of effort in English SL and Computer Science SL in grade 11 for showing significant improvement	2024
• Certificate for highest grades in Hindi SL in grade 11 batch of students	2024
• Awarded scholarship badge for academic excellence in CBSE Board Examination by school	2023
• Certificate of Merit in Science in Grade 9 for scoring among the highest in the batch	2022
• Certificate of School Excellence SOF-National Science Olympiad and gold medal for school rank 1	2022

WORKSHOPS AND SUMMER PROGRAMME

CERN Masterclass , Geneva, Switzerland	2024
• Attended lectures in particle physics, science journalism, data analysis, and project cost viability through workshops by leading scientists	
• Created a Capstone Project to present learnings on quantum mechanics, particle physics, and future potential of current research at CERN.	
National University of Science Summer International Science Camp , Singapore	2024
• Studied sustainability's intersection with science and technology, cost-efficient models for sustainable energy, and AI data processing	

RESEARCH AND PUBLICATIONS

Resonant Reverberations - Material Influence on Sound Quality in Percussion Instrument Design and Performance	2023-2024
• Published in the International Journal of Advanced Research - Volume 12, October 2024 Issue	
• Researched and analyzed how material properties influence sound quality in percussion instruments by examining instrument construction, acoustical models, and real-world performance effects.	
Literature Reviews	2023-2024
• Conducted and coordinated 3 in-depth literature reviews on topics in Waves and Mechanics, synthesizing findings from scholarly sources.	
• Enhanced research skills, critical analysis, and academic writing through systematic analysis and review of complex physical phenomena.	

COMMUNITY SERVICE

Founder, Red Brigade , Kolkata, India	2022-Present
• Founded initiative to spread menstrual health and hygiene awareness among women and men, encouraging participation and removing taboos.	
• Organized workshops for 500+ women and raised \$1800 in funds, facilitating the distribution of 9,000+ sanitary pads to women in need.	
Volunteer, Tribes for Good	2023
• Led online workshops on cervical and breast cancer prevention camps for underprivileged women in collaboration with local non-profit.	
• Raised ₹15,000 through a fundraiser for Health Against Hunger to combat child malnutrition	
Member, Interact Club , Social Service Club, Calcutta International School, Kolkata, India	2023-Present
• Conducted drives distributing grains to lesser-income households and medical camps to provide free healthcare checkups to 100+ people.	
Member, SNEH Club , Social Service Unit, Sushila Birla Girls' School, Kolkata, India	2022-2023
• Conducted blood donation drives with 200+ donors, ensuring a safe and calm event, and collected and donated 300+ clothes to orphanages.	
Volunteer, Ek Tara , Kolkata, India	2023

- Taught science, computer science, and math to 17+ children in grades 1-5 twice a week, fostering teamwork and creating engaging lessons

Volunteer, Foodistan, Calcutta International School, Kolkata, India 2023

- Organized Independence Day food sale, raising ₹15,000 to provide stationery packets to children in a remote Rajasthan village
- Managed sales tracking and fund accounting for the stall.

Volunteer, Khoj 2023

- Documented and promoted traditional crafts of six artists in a Rajasthan village through video recordings to raise awareness.
- Listed products online and coordinated with delivery partners to ensure pan-India sales, increasing artisans' income generation.

Volunteer, Interact Club of Calcutta Visionaries, Kolkata, India 2021-2023

- Organized festive activities for children at Universal Smile NGO during Interact Club's Christmas Drive, guiding crafts and tree decoration, and distributed snacks.
- Led "Beat the Heat Drive," providing cold refreshments to workers and passersby in summer.

EXTRA CURRICULARS

Volunteer, Confluence and CISMUN, Calcutta International School, Kolkata, India 2023

- Managed logistics and security for school events with over 1,000 attendees, ensuring smooth operations and a safe environment.

Member, Science Club, Calcutta International School, Kolkata, India 2023-Present

- Mentored 30+ members and organized science fairs with 25 submissions, 2 science quizzes, and hands-on workshops on robotics
- Conducted practical team experiments in physics and chemistry to foster an engaging, collaborative learning environment.

Member, Swabhimaan, Social entrepreneurship club, Sushila Birla Girls' School, Kolkata, India 2022-2023

- Created crafts which were sold to raise money during school carnival, donated to children in lesser privileged communities.

Harmonium

- Completed a five-level certification in Indian classical and folk singing 2012-Present

Guitar

- Four years of guitar training, including two years of formal testing 2020-Present

WORK EXPERIENCE

Founder, Hotel Management System Project, Software Developer, Independent project for client 2023-2024

- Developed a comprehensive hotel management system using Python and MySQL, managing over 1,700+ bookings and client data, significantly enhancing hotel efficiency by automating processes and reducing human error.
- Designed and implemented databases for customer and booking records, available and past services, generating revenue and service usage reports for performance tracking.
- Sold software to 4 boutique hotels, achieving positive feedback for its impact on operational efficiency and decision-making through trend analysis and revenue reporting.

Research Intern, Super Smelters Limited, Kolkata, India 2024

- Studied technical analysis and safety regulations alongside trained engineers, learning critical steps for conducting R&D in labs.
- Applied physics principles to assess energy efficiency in plants, developed recommendations for management to minimize losses by 5%.
- Conducted trials on iron ore samples on strength, malleability, melting point, and other parameters, determining ideal allow for improved material handling and processing efficiency.

Intern, Bansal Metal Works Industries Limited, Kolkata, India 2023

- Conducted efficiency assessments and assisted in quality checks for over 250 units daily, and calibrated 10+ equipment.
- Assisted production and planning team in data collection and problem-solving sessions for optimizing production workflows by 10%

ADDITIONAL

Skills: Proficient in Microsoft Word, Excel, PowerPoint, Python and MySQL

Interests: Music, Event Planning, Photography, Travel

Languages: Fluent in spoken and written English and Hindi; Read, Write and Speak Bengali; Level A2 Diploma in Spanish