

Jaivardhan Jain

jaivardhangjain9@gmail.com

Permanent Address:
K-153, Maker Tower,
Cuffe Parade.
Mumbai, India 400005.

EDUCATION

The Cathedral and John Connon School, Mumbai 2011-Present
IBDP 2022-Present
CICSE Board Examination (10th Grade) – secured 98.8% overall 2021

STANDARDIZED TESTS

ACT Examination – secured 35/36 composite score 2023
IELTS Examination – secured 8.5/9 2023

ACADEMIC HONOURS AND AWARDS

School:

- **Honour's Prize:** For academic excellence 2020, 2023
- **Secured highest marks in Chemistry HL 12th Mid-Term Examinations (89%), Hindi B SL in the 11th Second-Term Examinations (89%) and Computer Applications 10th Final Examinations (100%)** 2021 - 2023
- **National Topper in CICSE Board Examinations:** Mathematics (100%), Physics (100%), Chemistry (100%), History (100%) 2021
- **Cathedral Mathematics Competition Distinction and Silver Medal** 2023

International:

- **University of Waterloo Avogadro Examination Distinction** 2023
- **Australian Mathematics Competition Distinction and School Rank 1** 2023
- **United Kingdom Mathematics Trust Senior Challenge Silver Award** 2023

RESEARCH EXPERIENCES

Microcontrollers:

Accio Robotics, Bangalore, India (www.acciorobotics.com) 2023

A robotics automation firm that specializes in the development of cutting-edge hardware and software automation solutions for primarily transportation, logistics, supply chain and storage.

- Understood the uses and working of microcontrollers and various components, sensors and actuators in both prototypes and finished products.
- Wrote a research report on my learnings, titled, "Micro-controllers in mobile robotics"
- Built a prototype for a mobile kitchen robot to automate industrial kitchens.

Manufacturing Processes:

Chemco Plastic Industries Pvt. Ltd, Mumbai, India (www.chemcogroup.com) 2022

Chemco is a leading rigid and flexible plastic packaging company with 10 manufacturing plants in India and the Middle East. The group processes over 1,25,000 tons of plastic polymers annually.

- Studied existing efficiency related problems of the injection molding machine.
- Carried out Research to help reduce downtime of the mold changes on the machines, thereby reducing energy costs.

SCHOOL LEADERSHIP

School Prefect

2023-Present

- Highest-ranking member of the student government given to model students
- Serving as the middle ground in discussions between students and teachers
- Organizing school events like CAS Showcase and Teacher's Day
- Maintaining discipline among students during gatherings

House Monitor:

2023-Present

- Member of the School House leadership
- Lead over 50 juniors in competitive house events in both sports and cultural fields.

Director of MUN Committee and Member of Organizing Committee(OC):

2022-Present

- Part of the student leadership for a 100-member club
- Helped organize the oldest student-run conference in India as part of a 8-member team
- Mentored juniors participating in MUNs.
- Responsible for creating the committee, resources for preparation of delegates and success of an 80-delegate committee.
- Working with team of 4 assistant directors, delegating work and ensuring deadlines are met.

ROBOTICS AND TECHNOLOGY PURSUITS

Competitions:

First Tech Challenge International Robotics Competition

2023

(Semi-finalist, Head of Software, Head of Fundraising, Co-head of Community Service)

- Built an autonomous and tele-op robot with a gripper and lifter to lift cones and place them on poles in a team of 8.
- Reached the semi-finals as the most successful team to be entirely student-run
- Used Machine learning in Python to recognize the cones
- Co-headed community service team giving food to the homeless during the pandemic

IIT Bombay E-yantra Robotics Competition participant

2020

Robotex International Robotics Competition

2018, 2019

(Two-time National Round qualifier, National Round Rank #1, Team Leader)

VJTI Technovanza Robotics Competition (RoboSoccer and RoboSumo participant)	2019
Member of School Robotics Club	2022-2023
<i>Courses:</i>	2023
Harvard's CS50P Python Coding and CS50x Courses	2023
Brown University 2-week in-person summer course on Data Science and Machine Learning	2022
Coding and More Artificial Intelligence course	2021
<u>MODEL UNITED NATIONS ACHIEVEMENTS</u>	
Participated in 15 conferences as a Delegate, Director and Assistant Director	2019-Present
<i>Awards and Honours:</i>	
- Cathedral Model United Nations (<i>Diplomatic Commendation Award</i>)	2020
- University of Virginia Model United Nations	2020
- Harvard Model United Nations Dubai	2021
- Cathedral Model United Nations (<i>Diplomatic Commendation Award</i>)	2021
- Sanskriti Model United Nations (Outstanding Delegate Award)	2021
- Dhirubhai Ambani International School Model United Nations (<i>Verbal Mention Award</i>)	2021
- St. James Model United Nations 2022 (Special Mention Award)	2022
<i>Leadership:</i>	
- Chief-Coordinator of second edition of MiddleMUN workshop, expanding the workshop to more students and teaching them other research, public speaking and debate skills	2023 2022-2023
- Taught 7 th standard students about MUNs in the first ever MiddleMUN workshop	2022
<u>COMMUNITY OUTREACH AND ENVIRONMENT SUSTAINABILITY</u>	
Co-Founder: Gift of Giving	2017 - Present
Social cause initiative with the aim of helping the environment and local community	
- Collected bedsheets, stitched them into plastic bag alternatives and distributed to local vendors	
- Spread awareness about milk pouch recycling	
- Supported the local community by donating school equipment to the local municipal school	
- Donated sanitary napkins, masks, medicines, sanitizers and food to the local slums and provided oxygen concentrators to the local community during the Covid-19 pandemic.	
Katalyst	2023 - Present
- Teaching young, underprivileged girls STEM concepts	
- Taking them for workshops and talks	
Volunteered at the DownToEarth NGO	2022-2023
- Teaching children from grades 6-9 mathematics	
- Making mathematical models to facilitate easier learning	
- Providing the children with stationery and mathematical equipment to help their learning in the future	
United Nations Global Compact Network India and ENPower Entrepreneurship and Sustainability Course	2021
- Learnt concepts of sustainable entrepreneurship while keeping the UN sustainable goals in mind	
- Made a business plan for a sustainable organization that would help connect volunteers to NGOs	
<u>INTERNSHIPS</u>	
Multi-Act Trade and Investments, Mumbai, India (www.multi-act.com)	2023
Multi-Act is an investment advisory and portfolio management services provider for Family Offices, Investment Managers, Wealth Managers and Brokers, managing over \$200 million in assets and have over \$2.5 billion in assets under advisory	
- 1-month internship in Data Science and Economics	
- Helped the Research team by using Data Analysis and Data Science by collecting and converting data as per requirement.	
- Analyzed trends in global macro-economy by finding connections between various data series and S&P 500 historical data.	
<u>DRUMS</u>	
- Performer in school Music Festival	2019-2023
- Band-It National Band Competition (<i>Two-time Top 10 National Round, Second Runner Up</i>)	2018-2019
- Performed with Ben Van Den Dungen from the Rotterdam Conservatory of Music (Netherlands)	2020
- Totem-Pole Festival (<i>1st Place winner and 2nd Place winner, with different bands</i>)	2019
- Performed at the WE raising funds for Salaam Bombay NGO at the prestigious venues: NCPA and Royal Opera	2018, 2019
- Performed at the Tata Marathon for raising funds for Indian Cancer Society	2019
<u>EXTRA-CURRICULAR ACTIVITIES</u>	
Chess:	2015-Present
- Participant in multiple inter-school and district level chess competitions	
- Head of House chess team (<i>winning house</i>)	
- Rating over 1400 on online chess platforms	
Spanish:	
- Level A2 Diploma of Spanish as Foreign Language by Ministry of Education, Culture and Sport of Spain	2016-2020
Beatboxing:	2020-Present
- Proficient in beatboxing after learning from YouTube and Instagram videos	