

# Rohan George

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## Education:

### **MIT Vishwashanti Gurukul World School, Pune, India**

**2020 - Present**

- International Baccalaureate Diploma Programme 2023 - Present
- International Baccalaureate Middle Years Programme 2020 - 2023

### **Standardized Tests**

- **ACT:** Composite - 35; Math - 35; Science - 36; English - 32; Reading - 36 2023
- **Advanced Placement (AP) Exams:** Psychology - 5; Computer Science A - 5; Microeconomics - 5 2024
- **IELTS:** Overall Band - 8.5; Listening 9; Reading 8.5; Writing 7.5; Speaking 8.5 2024

### **Academic Honors and Awards**

- 3 Academic Excellence Awards - Rank 2/70+ in DP-1, Rank 1/45+ in MYP 5 (and school's all-time highest MYP-5 eAssessment Score), Rank 1/45+ in MYP 4 2022, 2023, 2024
- Ranked 1st in Math AA HL, Physics HL, BM HL, French B SL, and Chemistry SL in DP-1 2024
- Ranked 1st in Extended Math, Chemistry, Biology, Physics, Language Acquisition (French), Integrated Humanities, Personal Project, and Digital Design ePortfolio in MYP 5 2023
- AP Scholar Award 2024
- CREST Gold Award - Engineering Project (Building a Snow Shovel for Disabled Veterans) 2024
- Australian National University Business Competition Finalist: #1 India (Best-In-Country Award), Top 20 Internationally 2024
- WSC 2023 Season (Mumbai Regionals, Bangkok Globals, Tournament of Champions @ Yale) - 7 Gold, 10 Silver 2023
- WSC 2024 Season (Mumbai Regionals): 6 Trophies, 9 Golds, 2 Silvers including #1 Champion Scholar and Team 2024

## Ethics and Governance Initiatives:

### **Chairperson, Student Internet Governance Forum (SIGF)**

**2024 - Present**

SIGF, founded in 2022 in collaboration with the Indian Internet Governance Forum (IIGF), a part of the Ministry of Electronics & IT, is a multi-stakeholder platform that aims to give high school students a platform to discuss pressing issues in the field of Internet and digital policy. As Chairperson, I've built a new team of 40+ high schoolers located in 4 different countries. We've hosted summits on Cyberbullying, AI in Education, and AI in Healthcare, with over 100 students registering from 10+ countries.

### **Co-Founder, 'The Better Club' - Ethics Club of MIT VGS**

**2023 - Present**

- Mentored 20+ students (5 teams, 6th ongoing) for the Middle School (Jr.) and High School (Sr.) Ethics Olympiad
- The club has won 1 International Gold (2023 Sr.), 2 National Golds (2023 Sr., 2023 Jr.), 2 National Bronzes (2023 Jr., 2024 Sr.), 1 International Honourable Mention (2023 Jr.), and 2 National Honourable Mentions (2024 Sr., 2024 Jr.) under my mentorship

### **'Ethlete' (Ethics Olympiad)**

- 3rd Place, 2024 High School Ethics Olympiad India-West Australia Regional Round 2024
- Honourable Mention, 2022 Middle School Ethics Olympiad India-West Australia Regional Round 2022

## Science & Technology Experiences

### **Researcher w/ Dr. Phogat, Systems Neuroscience**

**2024**

- Authored paper titled "Exploring the Absence and Double Peaks of Alpha Activity in Resting-State EEG"
- Published in Curieux Academic Journal
- Chosen from a highly competitive group of 130+ papers to present at Innosphere 2024, organized by Sigma Xi, the Scientific Research Honour Society

### **Computer Vision Engineering Internship, NIQO Robotics, Bangalore**

**2024**

3-week internship at NIQO Robotics, a Bangalore-based startup that aims to revolutionize agricultural crop care with AI-powered Spot Spray Technology and affordable retrofittable hardware designed to benefit small-scale Indian farmers.

- Gained hands-on experience with Python libraries (NumPy, OpenCV, Pickle) and foundational knowledge of Robot Operating System (ROS)
- Developed a binary classification system, explored deep learning and neural networks, and applied coding skills to real-life scenarios, including data transfer and advanced object-oriented programming

## Observerships

- **Kokilaben Hospital** - Observed advanced physical therapy robotics, including the Lokomat, gaining insights into their role and benefits in rehabilitation 2023
- **Saifee Hospital** - Explored surgical robotics, including hands-on experience with the DaVinci Surgical System, observing its application and precision in real-time surgeries 2023
- **Jendamark, ODIN Manufacturing, and Eepos Cranes** - observed advanced robotics in automobile assembly line design, AR/VR systems for industrial applications, and the integration of automation to enhance production efficiency 2024
- **Multitech Products Pvt. Ltd** - Observed ISO-certified packaging production processes and supply chain management 2024

## Brown Pre-College Programs, Introduction to Engineering and Design 2023

- Participated in a week-long engineering program at Brown University, building prototype towers, bridges, circuits, etc.
- Developed practical engineering skills through hands-on projects and interacted with engineers while exploring Brown University's labs.

## Cambridge University, Designing Tomorrow: Engineering & Technology 2023

- Completed a 2-week program at Cambridge University, exploring various engineering disciplines including civil, structural, mechanical, aeronautical, environmental, and electrical engineering.
- Achieved a final score of 95/100 (second in class of 16)

## Leadership

### Student Council:

2022-Present

Head Boy (Student Council President):

2024 - Present

- Head of Student Council, leading students from PYP 5 - DP 2
- Working closely with the administration to address student concerns, introduce inclusive policies, and organize events that highlight academic and cultural diversity

Deputy House Captain, Agni House:

2023 - 2024

- Organized house participation in Interhouse events across the academic year

Deputy Cultural Secretary, Agni House:

2022 - 2023

- Developed and implemented a streamlined system for conducting daily uniform inspections
- Co-organized various cultural events across the academic year

### Club Founder, World Scholars Cup Club

2023 - Present

- Mentored 3 teams in the 2023 season and 5 in the 2024 season (including my own)
- Won 50 medals throughout the 2023 season (2023 Mumbai Regional Round, 2023 Bangkok Global Round, 1 team at 2022 Tournament of Champions)
- Won 107 medals and 14 trophies at the 2024 Mumbai Regional Round, including 4 of the top 6 teams
- In talks with a WSC to host a Pune Regional Round

### Captain, Team SIGMA #20890, FIRST Tech Challenge (FTC)

2023 - 2024

- Created a 5-episode tutorial series for 'Octostudio,' a mobile app by MIT Media Labs, dubbed in English, Hindi, and Marathi.
- Led outreach efforts in schools, residential societies, and expos, reaching over 20,000 people
- Raised over INR 200,000 to fund a robotics lab in the Dhair Akshar Foundation
- Raised additional funding and donated 6 robotics kits to the Bima Nagar School
- Played a key role in robot design, designing a unique non-motorized hanging system based on wedge principles
- Developed engineering portfolios, stall banners, brochures, and giveaway stickers for various events
- Dean's List Semi-Finalist, Led team to Think Award First Runner's Up and Robot Game Semi-Finalist Alliance

## Outreach Efforts - Neurodivergent Community

### Volunteer at Kshitij (<https://kshitij-ngo.org>)

2010 - 2014, 2017 - Present

Kshitij, a non-profit co-founded by my grandmother, supports neurodivergent adults, including my uncle, by providing meaningful employment and life skills training. Barring my years abroad, I have volunteered since I was 4, with additional involvement during the pandemic when I hosted weekly online sessions to keep them socially engaged.

### Developer, NeuroNotes

2023 - Present

Developed NeuroNotes, a mobile app designed to streamline patient record-keeping for therapists, inspired by the struggles faced by therapists I interacted with at Kshitij. The app integrates multimedia logging, including text, video, and speech-to-text capabilities, providing a centralized and efficient solution for managing therapy sessions.