



Aryaman Mihir Seth  
Engineering Physics  
Indian Institute of Technology Bombay

200260010  
B.Tech.  
Gender: Male  
DOB: 11/1/2002

Examination	University	Institute	Year
Graduation	IIT Bombay	IIT Bombay	2024

Awarded the **Cargill Global Scholarship 2022** (only 10 Indians selected) by the Institute of International Education for **exemplary leadership potential** and **academic achievement** - USD 5000 award and 2 year global leadership training

## SCHOLASTIC ACHIEVEMENTS

- Ranked **3rd** among 66 junior undergraduates in the Department of Physics; pursuing **honors** in Engg. Physics ['22]
- Offered undergraduate admission by the **University of Oxford** for physics (**1 of 5 Indians** selected) ['21]
- Secured **99.4%** in Class 12 CBSE exams, among 13 toppers **invited by the PM** to the Republic Day Parade ['21]
- Secured an **AP** grade in the course BB101 (Biology), awarded to **top 1%** freshmen for exceptional performance ['21]
- Among 81 undergraduates selected nationwide for TIFR's **National Initiative in Undergraduate Science** program ['21]
- Awarded the Kishore Vaigyanik Protsahan Yojana (**KVPY**) and National Talent Search (**NTSE**) fellowships ['18 - '20]

## POSITIONS OF RESPONSIBILITY

**Institute Student Mentor**, *Student Mentor Program, IITB* [Fall '22 - Present]

- Among only **15** third-year students entrusted with the responsibility of mentoring a group of incoming first-year students
- Selected from **380+** applicants after a rigorous procedure comprising a statement of purpose, peer reviews and interviews

**Department Academic Mentor**, *Engineering Physics, IITB* [Summer '22 - Present]

- Currently **guiding 6 sophomores**, organizing departmental information sessions and promoting student-faculty interaction

**Teaching Assistant (TA)**, *Departments of Mathematics and Physics, IITB* [Winter '21 - Present]

- Conducted **problem-solving** and **doubt-clearing sessions** for **45+** students for the following courses: MA108 (Ordinary Differential Equations), PH108 (Electromagnetism), MA106 (Linear Algebra) & MA111 (Calculus); **graded exam papers**
- Nominated by Tutorial Services Centre to conduct **exam-prep sessions** for **all (1400+)** freshmen

**Junior Mechatronics Engineer**, *Unmesh Mashruwala Innovation Cell (UMIC), IITB* [Spring '21]

- Designed, fabricated, and operated** a mobile solar and wind powered **robot** running on one rechargeable AAA battery
- UMIC stood **4th globally** at the American Society of Mechanical Engineers' **Student Design Competition 2021**

**Summer of Science Mentor**, *Maths & Physics Club, IITB* [Summer '22]

- Supervised 13 freshmen and sophomores** on summer projects in Quantum Information & Computing

## PROFESSIONAL EXPERIENCE

**National University of Singapore (NUS) | Quantum Machine Learning (QML) Intern** [Summer '22]

Guide: Prof. Rahul Jain, Principal Investigator, Centre for Quantum Technologies (CQT), NUS

- Addressed **3 talks at CQT** discussing key findings from multiple research papers exploring recent advances in QML
- Analyzed the **exponential improvement** in **computational time** and **efficiency** over existing protocols offered by QML

**The Red Pen Educational Consultants, Mumbai | Undergraduate Admissions Coach** [Winter '21]

- Conducted **15+** mock interviews for candidates applying to Oxford & Cambridge; **2 students received offers**
- Addressed a webinar with **200+** attendees on preparation strategies for Oxbridge **entrance tests** and **interviews**

**Indian Astronomical Observatory (IAO), Hanle, Ladakh | Technical Intern** [Winter '20]

Supervisors: Mr. D. Angchuck (Member, International Astronomical Union), Engineer 'E' & Mr. S. Jorphail, Engineer 'D'

- Refurbished and upgraded an old **F/10 Cassegrain telescope** by carrying out 100+ **stellar** and **planetary observations**
- Presented 3 abstracts and won **Best Poster Award** at the 39th Annual Meet of the **Astronomical Society of India**

## EXTRA-CURRICULAR ACTIVITIES

**Taekwondo**

- Selected as **part of the Indian contingent** for the **International Student Games** at St. Petersburg, Russia ['19]
- Awarded the **1st Dan Black Belt** by the World Taekwondo Federation on successfully completing its promotion test ['18]
- Won a **silver** and a **bronze** medal (individual sparring) at the ITF U17 **National Taekwondo Championships** ['16, '17]
- Won a **gold** medal (individual sparring) at the ITF U17 **Uttarakhand State Taekwondo Championships** ['16]

**Singing & Songwriting** ['21 - Present]

- Wrote, conceptualized, and sang an original song 'Summer Rain' as part of the **Institute Cultural Summer Project**
- One among ten students selected to **perform at the freshman orientation** of Symphony, IITB's music club
- Have **written, composed, and recorded** several songs, also part of Symphony's niche **Advanced Learning Program**

**Noblemen | Movie** ['18]

- Acted in a **critically acclaimed movie** that addressed issues of **homophobia** and **toxic masculinity** in schools
- Noblemen premiered and won an award at the **New York Indian Film Festival**, and is available on **Netflix**

Adjudged the **national winner (300,000+ candidates)** of **Scholarship Program for Awareness, Reasoning and Knowledge (SPARK)**, conducted by the **Times of India** and Bennett Coleman & Co Ltd ['18]