

Arya Rajeshirke

Resident Address :- 3C 164, Kalpataru Aura, Ghatkopar(West), Mumbai - 400 086, Maharashtra, India
Mobile: 9702939355 Email: aryarajeshirke57@gmail.com

EDUCATION:

Garodia International Centre for Learning Mumbai , Ghatkopar(E), Mumbai, India -- <i>International Baccalaureate Diploma: (IB)</i>	2024-Present
Kohinoor International School , Kurla (West), Mumbai, India -- <i>Completed Grade 10 from Indian Certificate of Secondary Education (ICSE)</i>	2015-2024

STANDARDIZED TESTS:

SAT Test: 1540 / 1600
Mathematics: 790 / 800; English: 750 / 800

ACADEMIC HONORS AND AWARDS:

School :-

- Scored 99% in Grade 10 ICSE board examinations. 2024
- All Indian Rank (AIR) - 5 in the India in the ICSE exam Grade 10. 2024
- Class topper with highest marks in Grade 11 final examinations in Mathematics and Physics. 2025
- Most improved student in Spanish AB intio in Grade 11. 2025
- Overall school topper in Grade 10. 2024
- Stood first in and received Merit certificate for academic excellence in Mathematics, Chemistry, Biology, Computer Science, History and Geography with 100/100 in each (Grade 10). 2024
- Merit certificate awarded for overall academic excellence (Grade 9). 2023

National and International :-

- 1st position and finalists in IIM Metal and Materials Quiz at IIM Mumbai Chapter. 2025
- Certificate of distinction and school champion in Hypatia hosted by University of Waterloo. 2024
- Certificate of distinction in Avogadro hosted by University of Waterloo. 2025
- Certificate of distinction in Sir Isaac Newton Physics Competition hosted by University of Waterloo. 2025
- Silver in Philippine International Math and Science Olympiad. 2025
- Bronze in Hong Kong International Maths Olympiad. 2025

INNOVATION FOR IMPACT:

Monitoring elephants in coffee plantation in Chikmanglur District Karnataka India:-

- Since May 2024, I have been working on a project on human–elephant conflict in coffee estates of Karnataka and Kerala with forest researcher Mr. Shrinivas (FERAL), elephant behaviour specialist Dr. Nishant, and thermal drone engineer Mr. Murali .

The project uses thermal imaging drones, VTOL surveillance planes, AI technology, and on-site cameras to track and analyze elephant movements and behaviour.

Data is processed at a central hub and shared with local communities and the Karnataka Forest Department through a mobile app in local languages to reduce conflict.

This research project has also been awarded the CREST Gold award.

STEM EXPERIENCES AND RESEARCH:

Research :-

Research Paper published- 2025
Research Question:- Synthesis and characterization of V2O5 nano rods on different substrates under thermal annealing.

Research Paper published- 2025

Research Question:- Synthesis and characterization of V₂O₅ nano rods on different substrates under thermal annealing.

Extended Essay in Physics-

2025

Research Question:- To what extent is a swimmer's velocity impacted by changes in viscosity of fluid medium, and when does increased density result in decreased velocity?

Internships :-

Worked with **Aaksh Beverages Pvt. Ltd.** for setting up NABL Lab for testing and analysis Instant coffee packing factory at Thane, Mumbai 2025

Worked with **Aaksh Beverages Pvt. Ltd.** to develop mechanical setup to pack Agglomerated Instant coffee in glass jar with minimum breakage of granular of instant coffee while going through auto fillers and blenders. 2025

Online courses :-

Georgia Tech – 'Introduction to Engineering Mechanics'

Enrichment Programs :-

Young Technology Scholars by Plaksha University

BASKETBALL ACHIEVEMENTS:

- Certificate of Excellence for 1st place in Inter School Basketball Competition 2024
- Certificate of Achievements in Basketball at NEXT School VIBE 2024 2024
- Certificate of Achievements in Basketball Inter Club Maharashtra at YMCA 2022-23

COMMUNITY OUTREACH:

- AASARA, Palghar, Thane, India: Participating and supporting Government recognised AASARA by Father Joe Digama 2022-Present
Involved with this NGO since 4 years.
 - Organized their Republic Day Parade Function, Sports Day and number of other festival functions.
 - Designed and printed their brochure.
 - Held 'exhibition cum sales' for my art and crafts to raise funds for them.
- Chembur, Mumbai : An NGO that works for the literacy of underprivileged children by providing them vocational education aspiring to 'learn and earn.' 2024-25
 - Worked as a volunteer at their workshops engaging the children in arts and craft, dance and music.
- Certificate of Appreciation for contribution for reader and writer for blind student for 10th Board exam 2023

EXTRACURRICULAR:

- Certificate of Excellence for 2nd position Inter School Fest 2024 in Dance Dazzle 2024
- Received an award for outstanding performance in dance competition (Grade10 & 11) 2023-24
- Leader in setting up Annual School day Dance performance at Kohinoor International 2021-24
- Awarded 1st position in School Poster Making Competition 2020
- Certificate from Indian Odyssey – The Super computer of the group 2019
- Qualified for ASSET Talent search out of 400000 students in ASSET Test in India 2018
- Certification of Excellence for 1st Position in the Elocution / Speech 2017 & 2018

INTERESTS:

Cricket, Football, Playing Guitar