

RIVA DESAI  
801 Vardhaman, V. Mehta Road, Vile Parle (W), Mumbai 400056

### Education

Champions Science Junior College;	2022- 2024
<i>Higher Secondary Certificate (HSC), grade 12;</i>	
Jamnabai Narsee School	2009- 2022
<i>Indian Certificate of Secondary Education (ICSE), grade 10</i>	

### Standardized Tests and APs

SAT score - 1540: Maths - 790, English- 750;	2024
APs- Biology and Psychology	2025
IELTS score	2024

### Awards and Honors

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| • Certificate of Honour for distinction achieved in the Indian Certificate of Secondary Education Examination                  | 2022           |
| • Received a merit award in immerse essay competition  | 2024           |
| • Distinction and merit awards from grade 1-6 piano by London College Music exams  | 2021,2022,2023 |
| • Integrated Skill in English (ISE II) by Trinity College London- Distinction in Reading, Speaking Listening; Merit in Writing | 2021           |

### Biological Science Experiences and Research

#### *Research*

Completed a research paper with Polygence	2024
- Studied the SERPINA 1 genome and found 4 Variations of Uncertain Significance (VUS) at the same location	
- Learnt to use tools related to genomics such as Ensemble, Clinvar, Benchling, UniProt and PolyPhen- 2	
- Observed the effect of this mutation on mice and found out the HumDiv and HumVar values to assess whether these mutations were benign, damaging, or in between.	

Wrote a paper on a new procedure involving STEM cells	2024
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|---|--|
| - Visited to Sushruta innovations and wellness lab and operation theater in Surya Hospitals, Mumbai, witnessed processing of STEM cells with details of the machines and devices used |  |
| - Spoke to the doctor, gained information about the patient history, condition and aim of the procedure   |  |

#### *Innovation*

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|--|---------------|
| • Working on a project for the Gold Crest award on nail color and anemia | 2024- present |
| ◦ Learning python and image processing for completion of the project     |               |
| • Completed a course on Expert Machine Automation by OMO Tec             | 2024          |

#### *Internships*

REE LABS - It is one of the only stem cell laboratory in Mumbai, India which has the expertise of banking stem cells from all human sources	2024
- Handled and learnt about various equipment related to STEM cell banking while adhering to standard laboratory procedures and safety protocols including the storage of cells in nitrogen chambers	
- Observed procedures conducted in the clean room and learnt the Standard Operating Procedures for stem cell collection, labeling and storage	

#### *Discourses and Discussions*

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| • Wrote a paper on conversation with Dr Varun Dixit, plastic surgeon and discussed the paper “Three-dimensional Morphing and Its Added Value in the Rhinoplasty Consult” | 2024 |
| • Wrote a paper on conversation with Dr. Vidya Parameswaran, Rheumatologist on the application of biotechnology in her field   |      |
| • Wrote a paper on conversation with Dr. Ruksheda Syeda, Psychiatrist on the chapter in the book Indian Psychiatric Update titled ‘ <b>Trauma in Sexual Minorities</b> ’ |      |

#### *Online courses*

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| • Course on Genomics: Decoding Universal Language of Life by the University of Illinois through Coursera | 2024 |
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- Course with Polygence on gene editing

#### Offline courses

2024- present

Diploma by Boston Institute of Analytics on Cyber Security and Ethical Hacking (ongoing- will end in 4 months- December 2024)

#### Vaccine Outreach Initiative

2024

- Worked with the MLA on promoting awareness on Cervical Cancer and vaccines
- Made a video in the local language and passed it to the underprivileged sections of the society
- Held a free HPV vaccine camp for boys, girls and women in Andheri, Mumbai
- Fund raised to procure the vaccines

#### MUN achievements

- Chaired in ISBMUN (Indian School Bahrain) for WHO 2021
- Won best position paper in ESCWA Committee in Youth International Summit MUN 8.0 Conference 2022
- Won honorable mention in ESCWA Committee at the Youth International Summit MUN 8.0 Conference 2022
- High Recommendation in Millennium MUN 2.0 in UNEP 2022
- Won honorable mention in International Students MUN 2021
- Won special mention in WHO in the 2nd edition of Diplomacy EMUN 2021
- Special Mention in UNW in RUN MUN 2024

#### First AID and CPR training

2024

- “Basics of First AID and CPR” course conducted by the Indian Red Cross Society in Mumbai
- Learnt about the various types of injuries such as sprains, fractures, head injuries and snake bites and the appropriate first aid
- Learnt about CPR and practiced on the stimulator

#### Music and Dance Achievements

- Piano 2011- present
  - Have completed all exams till grade 6. (Grade 7- ongoing)
  - Have participated in one or two recitals every year for 13 years
- Dance
  - Have completed Visharad in Bharatnatyam (Graduate in Indian Classical Dance) 2022
  - Have been participating in the Dashera program by the Thanjavur School of Dance every year 2012- 2023
  - Have passed all exams for Indian School of folk dance 2011- 2019

#### Community Service

2021

Completed an internship with Earth Angles Welfare Foundation, a non-profit organization in India.

- Had a fundraiser for food drives
- Edited photos and wrote messages for social media
- Helped spread awareness so other children could join as well

#### Leadership

- Part of the organizing committee for Ashayein and Cascade in the department Literary Arts 2022
  - Cascade is India’s largest Inter School cultural Festival with more than 5000 students participating
- Co-founder of UYLMUN (World Youth Leaders MUN) 2022
- Participated in EUMIND (Europe Meets India) and had the topic ‘teacher student relations’. Interviewed two teachers for the same and had international discussions with students in Europe

#### Aerial Silk

2016- present

- Have been learning on various equipment such as the aerial silk and aerial hoop.
- Participated in the end of year show every year since 2016

#### Interests

- PADI certified Scuba diver 2022
- Sailing and surfing clubs

