

ARIV V. VAIDYA

Chestnut Hill, MA | ariv.vaidya@gmail.com | (857)-376-1424

OBJECTIVE

Self-motivated and diligent 10th grader with a passion in Biology, Chemistry, and Mathematics. Experienced in python, R, scientific experimentation, and data visualization. Looking for hands-on-opportunity to contribute, learn and grow in the biomedical ecosystem with a positive attitude, collaborative mindset, and hard work ethic.

EXPERIENCE

07/2023 – 09/2023 | Internship | Mediar Therapeutics, Boston, Massachusetts

- Worked part time as a data scientist intern in Mediar Therapeutics which is a clinical stage biotechnology company that is developing medicines for lung, liver, and kidney fibrosis.
- Learned and applied coding language R to develop an app that sorts and visualizes large RNA sequencing datasets for scientists to utilize in experimental analysis of gene expression
- Attended lab meetings, journal clubs and scientific seminars to learn antibody-based drug development for fibrosis.

08/2022 – 01/2023 | Volunteer | Green Pyramid Energy, Pune, India

- Green Pyramid Energy is the manufacturer of WaterApp and is the technology leader in the field of water using Internet of things (Iot), wireless equipment for water.
- Developed a preliminary program to calculate the depth of water storage tank using sound and frequency.
- Developed a program and concepts for robotics to remove blurred images and duplicates in a training image dataset.

EDUCATION

08/2021 – 06/2026 | Middle & High School | British International School of Boston (BISB), Boston, MA

- Enrolled in International General Certificate of Secondary Education (IGCSE; graduation in 06/2024) followed by International Baccalaureate (IB; graduation in 06/2026).

- Sophomore year – 4.50 GPA (All A*'s) in Term 1. Both of these were one of the highest performances within the grade. Enrolled in accelerated mathematics course and consistently obtained reward logs for positive behavior and work ethics.
- Freshman year – 4.50 GPA (All A*'s) in Term 3 and Term 2, and 4.40 (Almost all A*'s) in Term 1.

08/2022 – 05/2023 | Intermediate Python | Computer Science Recitations, The Advanced Computer Science Academy, Natick, MA

- Approaching coding with iterative and recursive solutions, implementing mathematical algorithms and advanced object-oriented programming such as manipulating classes.

08/2019 – 06/2022 | Coding & Programming | Coding Butterfly, Needham, MA

- Introduction to Computer Science, different programming paradigms, use code comments as pseudocode, building skills of problem solving and logical thinking using basic Python.

08/16 – 05/2021 | Elementary & Middle School | Heath School, Brookline, MA

EXTRACURRICULAR ACTIVITIES

06/2020 – present | Tennis | Sportsmen's Tennis and Enrichment Center, Dorchester Center, MA

- Universal Tennis Rating (UTR) – 4.67; ranked top 50 in New England; captain of high school varsity tennis team.

06/2015 – present | Classical Guitar | Brookline Music School, Brookline, MA

- Played over fifteen recitals at Brookline Music School, volunteered at senior living centers in Boston to entertain residents with guitar music selections.
- 01/2024 | Awarded the Best Musician of the Year in Highschool
- 05/2023 | Won gold medal in the Honors Evaluation at Brookline Music School in the string's competition.

10/2023 – 10/2024 | Duke of Edinburgh Silver Award | British International School of Boston

- Awarded with the Silver Award, after completing 26 hours of volunteering as a Spanish mentor, 26 hours of guitar and 52 hours of tennis.

09/2023 – 06/2024 | Science Ambassador | School

- Selected as Science Ambassador for BISB to manage events with MIT.

09/2022 and 09/2023 | Cambridge Science Festival

- Selected to represent our school in the Cambridge Science Festival and help engage the community in our school booth.

SUPPERCURRICULAR ACTIVITIES

07/2023-09/2023 | R language Course | Mediar Therapeutics (Biotech) | Data Visualization & Dashboarding with R Specialization

- Completed 4 courses specialization in R. Learned basic commands, manipulation of data, visualization of data with different platforms and creating a User Interface (UI) in R

2022– present | Reading books related to biology, medicine, and computational sciences |

- *Genome* by Matt Ridley; *The Fragile Earth* by David Remnick and Henry Finder; *The Checklist Manifesto* and *Complications* by Atul Gawande; *AI Revolution in Medicine* by Peter Lee, Carey Goldberg, and Isaac Kohane

AWARDS AND ACKNOWLEDGEMENTS

- **09/2022** | Alumni, National Science Fair, Broadcom Masters - Society for Science, Washington DC.
- **05/2022** | First place, Boston/Region VI STEM Fair Middle School, Science & Engineering fair in Massachusetts, Boston, MA.
- **05/2022** | Honorable Mention, Massachusetts Middle School Science and Engineering Fair, Cambridge, MA.
- **05/2021** | First place, Science fair competition, Heath School, Brookline, MA.
- **05/2020** | First place, Science fair competition, Heath School, Brookline, MA.