Chidrup Mondal

Aspiring Biological Researcher

718-433-6233 | hrivu991@gmail.com

EDUCATION

Cornell University, College of Agriculture and Life Sciences May 2029

Biological Sciences

The State University of New York at Binghamton | Harpur College of Arts and Sciences *Transferred May 2026*

Biological Sciences | Dean's List Fall '25 **GPA:** 3.75

The Bronx Science High School *September 2021 - June 2025*

Advanced Regents Diploma with Honors in Math and Science

Awards: National Merit Scholarship Finalist | AP® Scholar with Distinction

Relevant Coursework: AP Calculus BC (4), AP Physics 1 (4), AP Biology (4), AP Chemistry (4), Linear Algebra with SUNY at Albany | **GPA:** 94

EXPERIENCE

FTC Robotics Team (Apeiro, 23409)

Marketing and Design Lead *June 2022 – August 2025*

- Enhanced the team's branding by designing our logo, managing the website, and producing an engineering journal that was recognized by FTC for the Think Award.
- Won the Think Award and Judges' Choice Award in competitions through collaboration and problem solving on our robot, reflecting a deep understanding of marketing strategies and the ability to forge strong partnerships with businesses for sponsorship.

Queens Botanical Garden

Project Lead and Volunteer *July 2023 – August 2025*

- Led weekly sustainability projects focused on improving local environmental conditions and educating residents about sustainable gardening practices.
- Demonstrated leadership in community service and environmental stewardship by guiding families through the garden and informing them into the variety of wildlife and flowers we are propagating.
- Tutored 30+ students and children weekly in math, science, and how to interact with the world around them. This led to more volunteers joining us and increased attraction to the garden.

Stanley Manne Research Institute

Volunteer and Intern *July 2023 – August 2025*

- Conducted research on the interactions between bacteriophages and *E. coli*, contributing valuable insights into bacterial responses to viral attacks.
- Showcased analytical thinking and technical expertise in microbiology via data analysis in Excel and SPSS.

TPM Normalization Project & The visualization of k-mers

Project Development Lead *September 2023 – June 2024*

- Developed a Python-based tool under Ms. Michelle Heeney at Cornell for RNA sequence analysis, highlighting skills in computational biology
- Connected my biology experience to computer engineering to solve complex biological data analysis challenges, such as how to visualize millions of data points efficiently.

NYU Langone Medical Center

Doctor's Assistant *May 2024 – August 2024*

- Assisted with organizing 100+ patient demographics, monitoring blood pressure, preparing patients for EKG's, and assisting with cardiac sonography
- Contributed 75+ hours of volunteer work, resulting in increased organization and patient satisfaction.

SKILLS

- **Technical Expertise:** Proficient in Python & Java | Skilled in creating algorithms for data analysis and web development | Proficient with the Google Productivity Suite, Microsoft 365, Adobe Premiere Pro, SPSS, Microsoft Excel
- **Communication:** Bilingual - Fluent in English & Bengali
- **Interests:** Badminton, Coding, Cooking, Photography