

**Shams Shehabul Islam Rary** ■ Personal Website: <https://shamsrary.com> or [ShamsRary.github.io](https://github.com/ShamsRary)  
■ Phone: (929) 512-0250 ■ Email: [Shamsrary@gmail.com](mailto:Shamsrary@gmail.com) ■ LinkedIn: <https://www.linkedin.com/in/shams-rary-3a7676218>

---

**EDUCATION - in Progress** - CTE Endorsement in Software Engineering, AP Capstone Diploma, Advanced Regents Diploma  
**Awards** - CyberStart 2024 Semifinalist and Sliver Award Student

**Brooklyn Technical High School, Brooklyn, NY**

*Expected Graduation Date: June 2024*

- GPA: 4.0
- Major: Software Engineering
- 11 AP Classes & 4 college-level classes
- 144 Volunteer hours

AP Capstone & Research

*Sep 2021 - June 2021 & Sep 2023 - June 2024*

- Developing a research paper on the 5 Big personality traits affecting students' response to motivation driven by fear & desire

Modern Physics

*Sep 2023 - June 2024*

- Learned about quantum mechanics and special theory relativity and applied equations to computer simulations

Multivariable Calculus

*Sep 2023 - June 2024*

- Used multivariable functions and vectors to manipulate 3D shapes, animations, and points of view

**Hunter College, Brooklyn, NY**

*College Now Classes Date: Jan 2022 - June 2024*

- GPA: 4.0
- 12 credits (4 classes)
- Hunter College's Student Ambassador from Brooklyn Technical

Fall 2023 Hunter College - Introduction to Computer Science 3-credits (C++ & Python)

*Aug. 2023 - Dec 2023*

- Utilized NYC OpenData to find the top three contributing factors for the primary vehicle of collisions in my neighborhood
- Used the folium & pandas library to create a map with markers for all the traffic collisions from a certain time range
- Created elevation maps and contour plots from the US National Oceanic and Atmospheric Administration's data

Fall 2022 Hunter College - Programming for Everyone 3-credits (Python)

*Aug. 2022 - Dec 2022*

- Designed a CPI calculator based on website data
- Programed a graphical quiz game by using the Tinker GUI
- Simulated the iterated prisoner's dilemma by using classes & objects
- Created a cubic polynomial solver that records the roots, relative min, and relative max

---

## **PROFESSIONAL EXPERIENCE**

**Consolidated Edison - Distribution Engineers Department**

*June 2023 - Present*

*Data Analyst of Failed Components (Transformer, Cables, & Joints)*

- Updated database on failed components to justify NYC Government spending
- Crafted pivot tables & charts in Excel for the CEO & VP
- Analyzed trends of failed equipment based on weather, natural events, location, brand, voltage, & more
- Develop an understanding of the Electric Work Management System for the 5 Boroughs & Westchester

**Coastal Classroom**

*July 2021 - Aug 2021*

*Teacher & Volunteer Staff Member*

- Engaged & taught middle school students in fishing, seining & coastal ecology & maritime training
- Conducted & evaluated research on the Kyzer Park Equastary's Ph levels, Turbidity & Phosphate Quantity

**Summer Youth Employment Program**

*July 2020 - Aug 2020*

*Student & Activist*

- Investigated & learned about discrimination faced by minorities
- Created & designed posters to help spread awareness of prejudice

---

## **EXTRACURRICULAR ACTIVITIES**

**Tech Codes Club** — Expert Member

*Sep. 2022– June 2023*

- Learned Python, Web Development & other coding skills, including digital communication, design
- Engaged in projects with peers to create different games including text fighting & adventure simulators

**The Animation Project (TAP)**

*July 2021 - Aug. 2021*

*Nickelodeon & TAP Industry Access Student*

- Learned character-based toy design from Nickelodeon's Toy Design team
- Automated personal email responses & spam detection for Gmail & Outlook

---

## **TECH SKILLS**

Coding Languages: Python, Java, C++, Web Development  
Minor skills: 3D printing, Drones, Breadboarding, Excel

---

## **SOCIAL SKILLS**

Social Interaction: Intermediate Bangla, Elementary Spanish,  
Elementary Arabic, Peer Mentor, Teamplayer, Active Listener