

Shams Shehabul Islam Rary

■ Phone: (929) 512-0250 ■ Email: 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 **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 - June 2024

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