

Pretam Chowdhury

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EDUCATION

The City College of New York (CUNY), GPA: 3.79

New York, NY

Bachelor of Science in Computer Science

June 2025

- **Relevant Courses:** Data Structures & Algorithms | Operating Systems | Fundamental of computer systems

SKILLS

- **Programming Languages:** Python, C/C++, JavaScript
- **Tools / Frameworks:** Git/Github, Jupyter Notebook, HTML/CSS, React.js
- **Languages:** Bengali (Fluent), English (Fluent)

PROJECTS

Twitter Clone, **Tech Stack: Python, React.js, HTML, CSS, JavaScript**

Oct 2023 – Dec 2023

- Collaborated with 4 developers to prototype social media app by outlining frontend design with Figma to extract HTML/CSS code and researching modern and past visual designs from other social medias

Yelp Website for Nearby Businesses, **Tech Stack: Python, Yelp API, Flask, HTML**

Apr 2023 – May 2023

- Designed nearby restaurants business locator app with Yelp API to extract address and contact information of 20+ restaurants within 20+ mile radius

MTA Service Status, **Tech Stack: Python, Pyside, PyQt6 (GUI), MTA API**

Mar 2023 – Apr 2023

- Developed graphic interface with PyQt to retrieve real-time data from MTA API feed for transportation alerts, historical trends, and visual accessibility

EXPERIENCE

CUNY Tutor Corps, **Mathematics Tutor**

Feb 2024 - Present

- Mentor 4 students with low academic performance by assessing their base knowledge and sharing problem solving techniques to simplify ISM curriculum which led to passing weekly quizzes with 80%+
- Coordinate with three math teachers to prepare 100+ student classroom for annual regents exam by encouraging group collaboration, sharing problem solving techniques, and tracking students' performance

Aviation High School, **Computer Assistant**

Jul 2021 – Aug 2021

- Refurbished 400+ computers and tablets by disassembling devices for thorough cleaning and replacing faulty components to reduce 70% downtime
- Consulted with computer technicians to troubleshoot 90+ computers and document common solutions to technical hardware/digital issues to track existing inventory for school's annual budget

SYEP Summer Bridge, **Marketing Intern**

Aug 2020 – Sep 2020

- Evaluated 10 marketing lesson plans to redesign census campaign by researching past govt. census data to conceptualize new strategies which improved awareness and statewide participation by 15%
- Designed 20+ slide presentation for census panelist by consolidating past census campaign strategies to identify causes of decreasing census participation and untapped demographic areas

ORGANIZATIONS

Basta, **Fellow**

Jan 2024 - Present

- Committing 50+ hours towards a rigorous career development program which assist 1st generation students on securing internships and full-time employment

Association of Computer Machinery, **Member**

May 2022 - Present

- Dedicating 10 hours monthly towards technical workshops, panelist events, and professional development