# Methila Deb

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## EDUCATION

**City University of New York, Hunter College**                                       Expected May 2024
Bachelors of Arts in Computer Science                                                    GPA: 3.49
- **Relevant Coursework:** Computer Architectures, Software Analysis and Design, Discrete Structures, Computer Theory, Operating Systems, Symbolic Logic, Practical Web Development

## SKILLS

**Programming Languages:** C++ , C, Python
**Applications/Tools:** Visual Studio Code, MS Office
**Languages:** Bengali (Fluent)

## PROJECTS

**SudokuSolver** | *Tech Stack: C++*                                                    *April 2023*
- Wrote code that reads a sudoku puzzle from a file and finds a solution, if it exists
- Utilized recursion to explore the possible combinations of numbers for each empty cell
- Employed backtracking when attempting different numbers and checking if the numbers are valid

**YGOCard** | *Tech Stack: C++*                                                         *March 2023*
- Achieved a program that makes use of doubly linked lists and sorting algorithms to sort cards in both ascending and descending orders

**Library** | *Tech Stack: C++*                                                         *March 2023*
- Implemented code that exhibits the ability to efficiently read input from a CSV file and skillfully manages the storage of pointers to dynamically created objects of Book class, categorized as Novel, Manual, or Textbook
- Demonstrated adept utilization of Object-Oriented Programming (OOP) concepts, encompassing inheritance, templates, Abstract Data Types (ADTs), and polymorphism

## RELEVANT EXPERIENCE

**CUNY Tech Prep**                                                                      **New York, NY**
*Data Science Fellow*                                                                   *July 2023 - Present*
- Chosen to participate in a highly competitive data science fellowship among students from various CUNY colleges, where fellows develop technical projects using diverse platforms

## SUPPORTING EXPERIENCE

**CUNY Tutor Corps**                                                                    **New York, NY**
*Algebra Tutor*                                                                         *May 2023 - Present*
- Tutor 25+ high schoolers in Algebra 1 3x/week, providing personalized instruction and support to help them understand and excel in the subject
- Utilize effective communication and interpersonal skills to establish a positive and supportive learning environment

**Dunkin Donuts**                                                                       **New York, NY**
*Crew Member*                                                                           *May 2021 - September 2021*
- Provided excellent customer service by greeting customers and meeting quality expectations
- Ensured cleanliness and sanitation of the food preparation area, equipment, and utensils
- Worked collaboratively with teammates and received coaching from management

**Safe Medical Care**                                                                   **New York, NY**
*Filer and Scheduler*                                                                   *July 2017 - January 2018*
- Maintained physical and computer-based filing systems
- Examined, categorized, and sorted hundreds of incoming documents on a daily basis

**Holy Apostles Soup Kitchen**                                                          **New York, NY**
*Volunteer*                                                                             *July 2017 - March 2020*
- Collaborated with 30+ volunteers in distributing meals to 1k+ daily homeless teens to elderly people
- Coordinated daily setup of volunteer space for 1k+ senior citizens to receive their food and care packages