Methila Deb

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EDUCATION

City University of New York, Hunter College   June 2024
Bachelor of Arts in Computer Science   GPA: 3.46
- **Relevant Coursework:** Computer Architectures, Software Analysis and Design, Discrete Structures, Computer Theory, Operating Systems, Practical Web Development, Computational Vision

SKILLS

Programming Languages: C++, Python, JavaScript , HTML, CSS
Applications/Tools: Pandas, Jupyter Notebook, MS Office, Excel, Visual Studio Code
Languages: Bengali (Fluent)

PROFESSIONAL EXPERIENCE

CUNY Tutor Corps   **New York, NY**
Algebra Tutor   *March 2023 - Present*
- Tutor 25+ high school students in Algebra 1, providing personalized instruction that improved their average grades from C- to B+ within a semester, and achieved a 90% passing rate on end-of-year assessments
- Collaborate with teachers to design lesson plans that complement classroom instruction, resulting in 85% of students being actively engaged with the curated content, as evidenced by increased class participation and feedback
- Built a tracking a system that systematically tracked 6-8 students' progress resulting in identifying insights and trends at a 50% faster rate

CUNY Tech Prep   **New York, NY**
Data Science Fellow   *July 2023 - June 2024*
- Selected to participate in a highly competitive 6-month-long data science fellowship, acquiring expertise in advanced statistical methods, Python programming, and machine learning frameworks such as TensorFlow and Scikit-Learn
- Lead a team project on predictive modeling, applying machine learning algorithms to analyze large datasets and predict outcomes with a 95% accuracy rate
- Applied data analysis techniques to enhance decision-making processes by 30%, presenting insights to data science experts
- Enhanced technical and soft skills through advanced data science workshops and regular industry mentorship

Beam Center   **New York, NY**
STE(A)M Program Assistant   *June 2023 - August 2023*
- Led and mentored a team of two high school assistants, improving project management and student interaction techniques for over 5 projects
- Collaborated with the site coordinator to streamline the distribution of materials, enhancing resource efficiency for daily activities involving up to 50 students
- Conducted analysis on educational outcomes, leading to a 25% improvement in STEM curriculum engagement among non-English speaking students

CERTIFICATIONS

Accenture North America Data Analytics and Visualization Job Simulation on Forage   *January 2024*
- Completed a simulation focused on advising a hypothetical social media client as a Data Analyst at Accenture
- Analyzed and modeled seven datasets using Microsoft Excel, identifying top categories to potentially boost client engagement by 20%, supporting strategic decisions

PROJECTS

Text Tune Music Recommender | *Tech Stack: Python, CSS, Jupyter Notebook*   *October 2023 - February 2024*
- Developed and implemented a Python-based music recommender system with a teammate, 'TextTune', leveraging NLP and the Spotify Million Song Dataset for personalized song and artist recommendations
- Utilized technologies such as Jupyter Notebook, Streamlit, Pandas, and custom CSS to create an interactive user interface and efficient data handling for the app

LEADERSHIP EXPERIENCE

projectBASTA   **New York, NY**
Fellow   *September 2023 - Present*
- Selected to participate in a rigorous 10-week fellowship career prep program designated to support first-generation college students land a great entry-level position