Tasmia Chowdhury

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EDUCATION

CUNY Hunter College   *Expected Graduation: December 2024*
- Major: Computer Science
  - ❖ Minor: Applied Mathematics
- Relevant Coursework: Discrete Structures, Data Structures and Algorithms, Web Development, Computer Architecture, Symbolic Logic, Operating Systems, Computer Theory, CyberSecurity

EXPERIENCE

CUNY Tech Prep   *July 2023 – Present*
Fellow, Software Development/Data Science
- Selected for a competitive data science fellowship with students from across the 11 CUNY senior colleges where Fellows create technical projects using tools such as Python 3, Jupyter Notebooks, Pandas, Numpy, Scikit-learn, and SQL.
- Participate in weekly courses and learn industry best practices for exploratory data analysis (EDA), feature engineering, data collection and processing, statistical modeling, data visualization, machine learning techniques, data science processes, and big data.

Google, New York, NY   *July 2023 - October 2023*
Software Engineering Fellow
- Selected as one of 80 distinguished participants for a 10-week internship, engaging in real-world technical challenges alongside a Senior Google SWE via intensive mentoring sessions and workshops.
- Tackled intricate technical problems, honing problem-solving abilities and self-reliance to advance skills in Data Structures and Algorithm efficiency.

Barclays, Hanover NJ   *December 2022 - February 2023*
Data Engineering Intern
- Enhanced data accessibility for Risk, Finance, and Treasury teams by employing Python's Pandas and data frames, enabling seamless extraction and analysis of credit rating scores and enterprises, resulting in a 30% reduction in data processing time.
- Led daily scrum meetings to foster a collaborative environment and ensure alignment with team objectives.
- Transformed raw data into dynamic visuals using Matplotlib, which allowed a clearer comprehension of financial trends and patterns for key stakeholders.
- Amplified the utility of developed scripts by presenting and productizing innovative solutions to senior management, effectively translating complex technical concepts into actionable tools

Digital Girl Inc., Brooklyn NY   *January 2018 - September 2024*
Program Administrator, Lead Instructor
- Spearheaded development and implementation of new program modules, integrating emerging technologies and industry-relevant content to create 21 flexible lesson plans for K-12 students and Senior Citizens.
- Instructed interactive coding sessions, employing Python, Scratch, Javascript, and HTML/CSS to impart technical skills and digital literacy among the youth.
- Facilitated partnerships with schools and community organizations to expand program reach and accessibility, increasing participation by 25% within targeted communities and underserved areas.

Girls Who Code @Hunter College, New York, NY   *August 2023 - August 2024*
Public Relations Manager
- Developed and executed impactful communication campaigns, leveraging social media platforms and press releases to amplify the club's initiatives and events, resulting in a 30% increase in membership within one academic semester.
- Crafted visually captivating flyers, posters, and videos using Adobe Photoshop, Instagram Reels, and Illustrator. Achieved a 45% increase in social media engagement.

PROJECTS
- **Library Record System/API:** An object-oriented program using C++
- **Hand2Words:** A machine learning/data science project focusing on translating ASL to English in real-time.

TECHNICAL SKILLS
- **Programming:** C++, HTML, CSS, Python, JavaScript, Node.js, Express, Bash
- **Technologies:** Spyder, Xcode, Git/GitHub, Adobe Photoshop, Figma, Unix, Linux, Tableau, MongoDB

LANGUAGES
- **Bilingual:** English and Bangla.