Tanvi Rahman

Queens, NY | (347)-617-9648 | tr2128@nyu.edu

EDUCATION

New York University, Tandon School of Engineering, Brooklyn, NY   May 2024
Bachelor of Science in Computer Science, GPA: 3.92/4.00
Relevant Courses: Data Structures & Algorithms, Engineering & Design, Calculus II, Chemistry

High School for Math Science and Engineering at CCNY, Manhattan, NY   June 2020
Regents Diploma, SAT 1530/1600, Overall GPA: 3.9/4.0

RELEVANT EXPERIENCE

Computer Science at New York University, Brooklyn, NY   Aug 2021 – Present
Course Assistant and Laboratory Instructor
- Assist professors in teaching introductory programming and problem-solving skills through Python
- Conduct daily office hours for students to come to for tutoring and/or further coding guidance
- Direct students to implement solutions in Python to various tasks in weekly laboratory sessions

Biomedical Engineering Design Project at NYU Brooklyn, NY   Jan 2021 – May 2021
Head of Programming and Design Research
- Collaborated with a team to design a prosthetic arm for disabled patients using Fusion 360 software
- Programmed and simulated circuitry for bionic arm sensors with Tinkercad and Arduino programs
- Compiled and presented research on building a more affordable and reliable type of prosthetic limb

Link Scholars at Columbia University, Manhattan, NY   Aug 2019 – June 2020
Career Building and Mentorship Intern
- Guided students through high school application process and developed in-depth career plans
- Reinforced academic foundations and higher education resources for middle and high school students
- Organized and held informational seminars at Columbia University for low-income students

LEADERSHIP

HSMSE Track & Field Team, Manhattan, NY   Nov 2017 – Mar 2020
Team Captain and Assistant Coach
- Supervised track team and assisted coach in leading high school student exercises, workouts, and race activities up to five times a week
- Integrated unique workout strategies to enhance students' speed and form in respective track and field events

ADDITIONAL EXPERIENCE

Future Giants Organization, Manhattan, NY   Jan 2019 – Present
Career Building Organization Member
- Collaborated with fellow high school and college students to increase student knowledge on top universities and colleges around worldwide

Exploring Theories of Happiness, Queens NY   Nov 2020 – Dec 2020
Remote Research Project
- Analyzed and discussed trends in American happiness levels in independent research paper via NYU library

Peer Tutor & Big Sib, Manhattan, NY   Sept 2017 – June 2020
- Conducted Calculus and Java tutoring for high school students two times each week

SKILLS
Technical: Advanced Proficiency in Python, C++, Java, Microsoft Office; Familiar with Autodesk applications
Language: Bengali, English (Native); Spanish, Hindi, Urdu (Conversational)