Kartik Vanjani

New York, New York | KARTIK.VANJANI21@myhunter.cuny.edu | 929-270-6745 |
LinkedIn | **Website**

EDUCATION

CUNY Hunter College   New York, New York
Bachelor of Arts in Computer Science (GPA: 3.9/4.0)   May 2026
- Relevant Coursework: Software Analysis and Design, Data Structures and Algorithms, Discrete Structures, Calculus, Matrix/Linear Algebra, Computer Architecture
- Honors: Thomas Hunter Honors Program, Hunter Dean's List (Fall 2022, Spring 2023, Fall 2023)

WORK EXPERIENCE

Hunter College Computer Science Department   New York, New York
Undergraduate Teaching Assistant   Sep. 2023 - Present
- Support students in lectures by answering around ten to fifteen questions using simple and concise explanations
- Reduce 20% of errors in code and improve students' skills in Python as measured by quiz grades by hosting around ten code reviews a shift
- Foster a positive learning environment by holding tutoring sessions with students in groups of ten or one to one and improving scores by an average of about 7%

Art Beyond Sight   New York, New York
Software Engineering Intern   Jul. 2023 - Aug. 2023
- Organized research on web accessibility by formulating a presentation containing certain color schemes that make websites accessible
- Optimized a plan with the IT team to find at least ten themes that would make the organization's website more accessible
- Collaborated and split the assignments amongst the team through Drupal
- Contributed about 30 lines of code alongside the team and produced a 70% more accessible website as measured by the W3C accessible scale by incorporating the themes using HTML and CSS

PROJECT EXPERIENCE

Dungeons and Dragons V2 | *C++, Object Oriented Programming, Git*   Feb. 2024
- Implemented the core classes for dungeons and dragons, with more design to come
- Incorporated the use of constructors, parameterized constructors, and data members to initialize default creature values
- Utilized enums to set the categories and types of creature, dragon, and ghoul for the game

Personal Website | *HTML, CSS, Git*   Jan. 2024
- Accomplished my goal of making my information more accessible with a website by planning the layout of the website first and then coding and styling it using HTML and CSS
- Prioritized the need of a navigation bar to format my information and implemented it using href tags to three other links
- Debugged any errors with parts like the logo and alignment of text with the help of peers by engaging in insightful conversations

PasswordGen | *Python, Random String, Git*   Dec. 2023
- Tested repeatedly until it was confirmed that the password generator meets the requirements of desired length, strength, etc
- Incorporated six core Python elements such as user input, strings, random library, conditionals, arrays, and loops
- Assisted 6 friends and family that needed to come up with strong passwords for their social media platforms and effectively made their social media accounts about 13% safer as measured by the strength bar

CERTIFICATIONS
- CodePath Web Development Course (Present) | *HTML, CSS, JavaScript*
- Google Cyber Security Course | *Cybersecurity, Python, SQL*

SKILLS
Languages: Python, C++, Java, HTML/CSS, JavaScript, SQL, Scheme
Tools: Git, VS Code, Drupal, Microsoft Office, Google Drive, Linux
Libraries: pandas, numPy, matplotlib
Soft Skills: Leadership, Teamwork, Problem Solving, Critical Thinking