Shefali Kumar

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EDUCATION

Cornell University   **Ithaca, NY**

College of Engineering

Bachelor of Science in Computer Science   *Expected May 2023*

- Relevant Coursework: Object Oriented Programming and Data Structures, Discrete Structures, Multivariable Calculus, Linear Algebra for Engineers, Introduction to Entrepreneurship for Engineers, Python, Functional Programming (OCaml)

West Windsor-Plainsboro High School South   **Princeton Junction, NJ**

High School Diploma   *Graduated June 2019*

TECHNICAL EXPERIENCE

Internship at eNamix   **New York, NY**

Teleprompter   *May – August 2020*

- Created a voice synchronized teleprompter component for a web application meant to improve public speaking skills
- Teleprompter followed the speaker's voice and changes color of the words spoken, pauses when it detects silence, jumps to the appropriate sentence if speaker skips words or paragraphs, autoscrolls, and times speaker automatically
- Hosted using AWS and programmed using javascript, html, and css

Cooper Union Summer STEM Program   **New York, NY**

IVY Plant   *Summer 2018*

- Spent 6 weeks building an Internet of Things device using Arduino, C++, sensors and circuit boards
- Created a houseplant pot that automatically waters the plant depending on weather, humidity, and temperature of the soil
- Connected the device to a smartphone for easy access to the data for the owner of the plant
- Produced a video to exhibit the device for a showcase at the end of the project

LEADERSHIP & ACTIVITIES

Cornell Filipino Association   **Ithaca, NY**

Undergraduate Representative   *September 2019 – Present*

- Organized multiple cultural events throughout the school year by contracting venues, caterers, and setting up the events
- Advertised events and meetings by creating posters and banners displayed around the school
- Managed the club's social media

SPLASH! Cornell   **Ithaca, NY**

Active Member   *August 2019 – Present*

- Taught a class of high schoolers about the intersection between biology and Computer Science called "Coding a Human" as a preview of the subject and to peek their interest in CS

Women in Computing at Cornell   **Ithaca, NY**

Active Member   *August 2019 – Present*

- Participated in "Lunch Bunch" which met with Computer Science professors at Cornell in small groups every week for ten weeks to learn more about their field of study and become acquainted with the staff teaching future higher-level courses
- Attended seminars about women in STEM

Columbia Science Honors Program   **New York, NY**

Student   *September 2018 – May 2019*

- Took the course "Introduction to Algorithms" in Fall 2018 which covered topics ranging from sorting algorithms to graph theory
- Took the course "Explorations in Data Science" in Spring 2019, an introductory data science course offered only to seniors, and used R and RStudio to analyze data relating to New York City and draw patterns and conclusions using code

SAT/ACT Tutor   **NJ**

Active Member   *March 2019 – July 2020*

- Prepared high schoolers for standardized tests and provided tutoring services for schoolwork and AP exams
- Helped improve their scores by an average of four points on the ACT and 300 points on the SAT

SKILLS & INTERESTS

Skills: Java, Javascript, HTML/CSS, R, Python, C++, Git, BitBucket, AWS Rekognition, AWS CodeDeploy, AWS Lambda
Interests: Cybersecurity, Data Science, Philosophy, History, Swimming