SUSMITHA SHAILESH

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EDUCATION

Stevens Institute of Technology | Hoboken, NJ   **Expected Graduation**: May 2022
Bachelor of Science in Computer Science, *Minor in Science, Technology, and Society*   **GPA**: 3.85
Awards: Presidential Scholarship, Dean's List (Fall 2018, Spring 2019, Fall 2019, Spring 2020), Pinnacle Scholar
Coursework: Data Structures, Algorithms, Discrete Structures, Web Design, Project Management, Statistics

SKILLS

Programming: Python, Java, C++, C, R, JavaScript, HTML, CSS, SQL, PHP, Scheme
Technologies: Github, Python Natural Language Toolkit, D3.js, XAMPP, Gmail API, Twitter API
Languages: Fluent in English and Kannada

WORK EXPERIENCE

Intro to Computer Science - *Teaching Assistant for David Naumann*
Discrete Structures - *Teaching Assistant for Sandeep Bhatt*
Stevens Institute of Technology, Hoboken, New Jersey   August 2020–Present
- Facilitated in teaching topics such as Python syntax, sorting, recursion, and basic data structures and algorithms
- Constructed exam questions regarding number theory, graph theory, propositional logic, induction, and counting
- Served as a liaison between professor and 120 students by hosting office hours, running labs, and grading exams

Data Visualization - *Research Assistant for Alex Wellerstein*
Stevens Institute of Technology, Hoboken, New Jersey   May 2020–July 2020
- Wrote SQL queries to identify all coordinate points in a database that satisfied a complex 3D geometry equation
- Familiarized myself with XAMPP servers & created PHP script to connect to server and access an SQL database
- Studied data visualization principles to learn effective communication through web-based interactive visualization

DCInbox - *Research Assistant for Lindsey Cormack*
Stevens Institute of Technology, Hoboken, New Jersey   June 2019–August 2019
- Automated a process to tweet a visualization of the most common phrases in congresspeople's emails each day
- Coded script to scrape emails in HTML & preprocess them to yield more meaningful information when analyzed
- Deployed Python Natural Language Toolkit to perform text mining on emails and identify most common phrases

LEADERSHIP EXPERIENCE

Office of Student Life - *Peer Leader, Team Lead*
Stevens Institute of Technology, Hoboken, New Jersey   May 2019–Present
- Planned training events for 58 peer leaders & lead an hour-long workshop on cultivating a positive mindset
- Assisted in organizing orientation events for 1000 first-year students & quickly adapting them to a virtual setting
- Mentored and supported a group of 25 Computer Science students throughout their first semester at Stevens

Indian Undergraduate Association - *Ethnic Student Council Representative*
Stevens Institute of Technology, Hoboken, New Jersey   May 2019–May 2020
- Acted as an intermediary between the Ethnic Student Council and IUA executive board to ensure communication
- Organized 5 cultural events per semester for 150 people in order to share and embrace South Asian culture

Yukodit - *Coding Tutor*
Montclair, New Jersey   August 2017–August 2018
- Taught children aged 6-12 the syntax and logic of coding through creative projects using code.org and Scratch
- Developed curriculum to teach Python, OOP, Agile, and leadership for new programs to expand the company

Available Summer 2021 | U.S. Citizen