Shefali Kumar

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EDUCATION

Cornell University   **Ithaca, NY**

College of Engineering   3.4/4.0

Bachelor of Science in Computer Science   *Expected May 2023*

- Relevant Coursework: Object Oriented Programming and Data Structures, Algorithms, Databases, Interactive Web Applications, Networks, Operating Systems, Discrete Structures, Multivariable Calculus, Linear Algebra for Engineers, Functional Programming (OCaml)

PROFESSIONAL EXPERIENCE

Software Engineering Internship at Microsoft   **Redmond, Washington**

AutoGmd Redistribution Feature   *May – August 2022*

- Identified and presented solutions for edge cases in existing design specification of Redistribution Feature
- Iterated on solutions with team using input and members' domain knowledge to make informed design decisions
- Collaborated with team and neighboring teams to insure design is comprehensively meeting all needs before implementation
- Automated the distribution of faulty drivers to devices for two edge cases, saving company time, manpower, and reducing turnaround between a data request and completion of the request from potentially a month to two weeks
- Conducted thorough unit and integration testing using TDD approach to implementation, reducing errors and increasing productivity
Technologies: C#

Software Engineering Internship at Microsoft   **Remote**

Data Quality Monitor   *June – August 2021*

- Researched and designed multi-component mechanism to reduce errors in data quality measures in driver certification process
- Created and stored streams in COSMOS (Microsoft internal use database) to integrate frontend and backend processes
- Automated data quality test to reduce hours spent in driver verification by driver service engineers
- Implemented email alert mechanism to prevent faulty drivers from entering market, saving company time, money, and resources
- Collaborated with subteam to iteratively design and improve schema for future application of system to other data quality measures
Technologies: C#, SCOPE

Software Engineering Internship at eNamix   **Remote**

Teleprompter   *May – August 2020*

- Designed and built a voice synchronized teleprompter component for a web application created to improve public speaking skills
- Created feature that highlights words as the speaker talks and skips words appropriately if the speaker skips through the speech
- Implemented autoscrolling and autotimer to reduce user interaction and allow user to focus on speaking with minimal distraction
- Hosted and deployed application using AWS for demoing to project members
Technologies: JavaScript, HTML, CSS, Git

LEADERSHIP & ACTIVITIES

Hack4Impact   **Ithaca, NY**

Co-Director   *December 2021 – Present*

- Managed 5 projects and supported 10 team leads through planning, development, and deployment
- Planned and executed reorganization of typical project timeline to reduce delays in development and deployment
- Increased member retention from 65% to 100% within one semester and expanded club from 25 people to 45
- Worked with executive board to create a new onboarding plan to increase productivity and train new members quickly
- Conducted Product Research and met with several nonprofits/grassroots to determine potential club projects
- Administered external operations team to handle club finances, social events, product research, and recruitment logistics
Awards and Achievements: Student Organization of the Year by the Cornell Engineering Alumni Association

SKILLS & INTERESTS

Skills: [Proficient] Java, JavaScript, HTML/CSS, Python | [Experience] C++, Git, OCaml, R

Interests: High Impact Spaces, Cybersecurity, Data Science, ML, AI, Art, Music, Sociology, Politics