

Soumya Khanna

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EDUCATION

Virginia Polytechnic Institute and State University

2018 - 2021

- Bachelor of Science Computer Science

Semester GPA: 3.86, Cumulative GPA: 3.50

Awards and Honors:

- Dean's List: Fall '18, Spring '19, Spring '20
- Awarded scholarship to attend Grace Hopper Celebration '20 by the Department of Computer Science
- Recipient of Housing Scholarship for two consecutive years

WORK EXPERIENCE

Intern, Accenture

[Canceled due to COVID-19]

Undergraduate Research Assistant, Virginia Tech Centre for Human-Computer Interaction

Oct 2019 – Present

- Currently, working on Narcissistic Eyes project to study self-monitoring in video conferences based on different social aspects by tracking eye movements while conducting a mock job interview
- Improved VR Viewfinder project to provide an interactive third-person perspective while watching live VR art performances. Programmed in Unity (C# and JavaScript) to create a better VR environment by adding a color picker and debugging user issues
- Previously, evaluated the performance of 360-degree videos based on the different orientations to provide a more natural experience to users as well as understanding the future use of 360-degree videos

Software Engineering Intern, Newgen Software

June 2019 - Aug 2019

- Collaborated with Customer Communication Management (CCM) team to evaluate the OmniOMS product by analyzing code in Java and JavaScript, scanning for bugs and vulnerabilities, and securing the infrastructure
- Enhanced the product to improve its efficiency by 15% with developing code fixes for inclusion in future code releases and patches

Resident Advisor, Virginia Tech Housing and Residence Life

Aug 2019 - Present

- Built a community of 30 residents living in an engineering Living Learning Community (Galipatia LLC) and maintained a well-rounded hall environment that promotes personal and professional growth
- Enforced policies and safety standards through building and rooms to ensure the wellbeing of the residents

PERSONAL PROJECTS

Virtual Clinic – PHP, HTML, CSS, JavaScript

Aug 2020

- Programming a virtual clinic website that allows patients and healthcare workers to provide holistic clinical experience through virtual consultation, chatbot and pharmacy delivery services
- Surveyed over 60 people about their response to hospital care provided to non-COVID-19 patients in Kuwait

Thrifty – React Native, Python

June 2020

- Developing a cross-platform mobile application that allows users to analyze and track expenses along with a recommendation system using Machine Learning that provides cheaper options for future purchases
- Utilized Google OCR to scan and parse data from receipts, and Firebase for user authentication and storing images
- Participated in SummerHacks, a 12-week hackathon by Free Tail Hackers

Run Time - HTML, CSS, JavaScript

Feb 2020

- Implemented a web application designed for runners that lose motivation eventually. The application includes plans designed based on experience, calendar to schedule runs and add to personal google calendar. Adding a social aspect where users can find a runner's community
- Won Best Cyber Focused Hack out of 40 teams in SheHacksVT

Library Management – C++

March 2018

- Programmed an application that could read, append, and sort records of books and students
- Works like a library system with records of students borrowing and returning books

ACTIVITIES & LEADERSHIP

DSC Lead at Virginia Tech, Developer Student Club by Google Developers

July 2020 – Present

President, CEED International Student Support Team

May 2020 – Present

Information Management Chair, Student Engineers' Council (SEC)

May 2020 – Present

Outreach Junior Chair, Association of Women in Computing (AWC)

May 2020 – Present

Business Manager, Engineers' Forum

May 2020 – Present

SKILLS

- Programming: Java, C++, C, Python
- Web development: HTML, CSS, JavaScript
- Operating System: Windows, Linux
- Mobile development: React Native