

Soumya Khanna

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EDUCATION

Virginia Polytechnic Institute and State University

Bachelor of Science Computer Science

2018-Present

Expected Graduation: May 2021

- Semester GPA: 3.86, Cumulative GPA: 3.50

- Dean's List Fall '18, Spring '19, Spring '20

Relevant Coursework: Intro to Software Design, Software Design and Data Structures, Intro to Problem Solving in CS, Intro to Computer Organization, Multivariable Calculus, Discrete Mathematics

WORK EXPERIENCE

Intern, Accenture

[Cancelled due to COVID-19]

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

Oct 2019 – Present

- Currently, working on a project called Narcissistic Eyes to study self-monitoring in video conferences based on different social aspects
- Worked on a project called VR Viewfinder to obtain insight about first person perspective and third person perspective while watching live VR art performances. Working in Unity (C# and JavaScript) to create a better VR environment; developed a color picker in Unity for the project [Spring 2020]
- 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 [Fall 2019]

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

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 developing code fixes for inclusion in future code releases and patches

PERSONAL PROJECTS

Virtual Clinic – Django, HTML, CSS, JavaScript

- Currently developing a virtual clinic website that allows patients and healthcare workers to provide holistic clinical experience through virtual consultation, chatbot and pharmacy delivery services

Thrifty – React Native [SummerHacks '20]

- Currently developing a cross-platform mobile application that allows users to analyze and track expenses along with a recommendation system using ML that provides cheaper options for future purchases

Run Time - HTML, CSS, JavaScript [SheHacksVT '20]

- Developed a web application designed for runners that lose motivation eventually. Application includes plans designed based on experience, calendar to schedule runs and add to personal google calendar. Working on developing a social aspect where users can find a runner's community.

Library Management – C++

- This was my very first CS project. The application 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

President, CEED International Student Support Team

- Organized and advertised informative events for 50+ international students in the engineering living-learning community and provided online support to the incoming class of international students while overseeing a team of 8 officers

Information Management Chair, Student Engineers' Council (SEC)

- Programmed the SEC website using web development skills to cater the events organized by the SEC

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

- Advanced the programs organized by AWC Outreach such as Coding with the Elderly and mid school workshops to help beginners learn to code and raise awareness about STEM fields

Business Manager, Engineers' Forum

- Writing informative articles showcase VT alumni success with tips for current students and help current design teams raise funds

Technical Lead, Developer Student Club

- Encouraging students from various disciplines to learn new skills and showcase their talent by working on a community project; participating in the Google DSC Solutions Challenge by building an application called Study Planner which enables students to create personalized check sheets for their intended major(s) and minor(s)

AWARDS AND HONORS

Best Cyber Focused Hack, SheHacksVT – HTML
Recipient of Housing Scholarship

Feb 2020

2019-2020, 2020-2021

SKILLS

- Programming: Java, C++, C, Python, Linux
- Web development: HTML, CSS, JavaScript