

Soumya Khanna

E: soumyak@vt.edu | P: (540) 449-5627 | LinkedIn: /in/soumyakhanna/ | GitHub: soumyakhanna

EDUCATION

Virginia Polytechnic Institute and State University

2018 - 2021

- Bachelor of Science in Computer Science

Cumulative GPA: 3.51

Awards and Honors:

- Dean's List: Fall '18, Spring '19, Spring '20, Fall '20
- Awarded scholarship to attend Grace Hopper Celebration '20 by the Department of Computer Science
- Attended the ACM User Interface Software and Technology Symposium (UIST) 2020 representing Echolab at VT
- Recipient of Housing Scholarship for two consecutive years

WORK EXPERIENCE

Intern, Accenture

[Canceled due to COVID-19]

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

Oct 2019 – Present

- Collaborate on Narcissistic Eyes project researching self-monitoring in video conferences based on varying social aspects by tracking eye movements during mock job interview
- Enhanced VR Viewfinder project, delivering an interactive third-person perspective to view live VR art performances, resulting in more engaging user experience. Programmed in Unity (C# and JavaScript) to improve VR environment by adding a color picker and debugging user issues
- Previously, analyzed the performance of 360-degree videos with differing orientations to deliver more natural user experience and understand future utilization 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 optimize its efficiency by 15% 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 delivers a holistic clinical experience to patients and healthcare workers 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

- Developed a cross-platform mobile application that allows users to analyze and track expenses along with feature displaying future pricing options from local businesses
- Utilized Google OCR API for scanning and receipts data parsing, and Firebase for user authentication and image storage
- 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
- Awarded 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
- Operating System: Windows, Linux
- Web development: HTML, CSS, JavaScript
- Mobile development: React Native