

# SAI KRISHNA YESHALA

## CONTACT

Website: [ysaikrish.github.io](https://ysaikrish.github.io)

Email: [saikrishna@vt.edu](mailto:saikrishna@vt.edu)

## SKILLS

### Most Proficient:

Java | C/C++ | JavaScript | Python3

### Fairly Proficient:

C# | PHP | HTML | CSS

### Other Technologies:

Unity | Azure | MySQL | React | .NET

## ACTIVITIES

### Programming Team:

Focuses on employing data structures to solve challenging programming problems.

### Machine Learning / AI club:

Focuses on learning the applications of machine learning algorithms.

## AWARDS

- **UTC Aerospace Systems Scholarship 2020-21**, College of Engineering, Virginia Tech
- **Microsoft Azure Mini Hackathon 2019**, Honorable mention
- **Best Use of Google Cloud Winner**, VT Hacks 7
- **Level 6 Piano**, Trinity College of London

## EDUCATION

Virginia Tech, Blacksburg, VA

Bachelor of Science in **Computer Science**, minor in **Mathematics**

Pursuing an **Honors Laurate Diploma**, expected graduation : May 2022

GPA : **3.73**

## WORK EXPERIENCE

### Department of Computer Science, Virginia Tech - Spring 2020

*Undergraduate Teaching Assistant*

- Assisted two sections of students in 'Computer Organization I' course with course projects and Assignments.
- Voiced the need of discussion forums for the class and volunteered to proctor for students with special circumstances.

### Department of Mathematics, Virginia Tech - Spring 2020

*Grader*

- Assisted two sections of students in 'Multi Variable Calculus' course, graded their assignments and helped develop grading rubrics.

### VT Honors Studio and Boeing - Spring 2020

*Studio Project Lead*

- Led an interdisciplinary team of four in developing a **Systems Learning** approach for employing AI driven machines on smart factory floors in collaboration with **Boeing**.
- Focused on **Human-Machine Learning** and considered a pilot scenario involving a robot performing pick and place tasks, an airplane fuselage drilling worker, and a smart factory setting.

## PROJECTS

### Hack Duke – Fall 2019

*Group Project*

- Developed a react application in a group of four during a hackathon at Duke University. Implemented the front end of the application.
- The app aims to aid military instructors in grading and maintaining performance records of cadets.

### VT Hacks 7- Spring 2020

*Group Project, **Winner for Best Google Cloud Hack***

- Performed Image analysis using OpenCV to recognize the available spots in a parking lot, and developed an Alexa skill for the users to navigate to the closest available spot to a building using their voice.

### Web Services and VR game development- Summer 2020

*Personal Projects*

- Created a Virtual Reality version of Towers of Hanoi game using Unity engine.
- Developed a webservice to facilitate the management of content on various social media platforms using a single form.