

# Hritik Aggarwal

hritikaggarwal.com | hritik@uw.edu |  hritikaggarwal |  hritikaggarwal2

## EDUCATION

**University of Washington, Seattle** — *Computer Science and Engineering, June 2022*

- **Relevant Courses** - Java Programming, Full Stack Development, Calculus, Matrix & Linear Algebra, Applications of Computing, Technical Foundations of Data Sciences
- **Technical Skills** - HTML5, CSS3, JavaScript, Java, Git, React JS, C++, SQL, PHP, Android, R, Bash, Lua

## WORK EXPERIENCE

**Sandeep Garg & Company, Gurugram** — *Web Designer & Developer* AUGUST 2019 - SEPTEMBER 2019

- Created web app using **HTML5, CSS3, & React JS** that allows easy and efficient management of their daily tasks of scrap collection and user requests.

**FutureSoft, Noida** — *Full Stack Intern* JULY 2019 - AUGUST 2019

- Worked on external management solutions for clients using **React JS** that enable Shopify users with an enhanced dashboard and catalog editing ability; thereby, improving the user experience.

**SabLab at UW, Seattle** — *Research Intern* JANUARY 2019 - PRESENT

- Developed image processing technologies by reconfiguring AOSACA software using **C++** to improve visualization of retinal cell structures and functions.
- Enhanced the User Experience of the website using Webflow and vectors designed in Photoshop.

**LEMS, Seattle** — *Web Designer & Developer* FEBRUARY 2019 - MARCH 2019

- Designed and developed the website for Laboratory for Engineered Materials and Structures at the University of Washington using **HTML5, CSS3, and JavaScript**.

## PROJECTS

**What's Around, Delhi** AUGUST 2019

- Created beta Android app with **Android Studio** and **Java** that allows blind people to locate large objects like empty chairs, desks, and even mobile phones by scanning the room with their mobile phones.
- Used **TensorFlow** to identify objects and Android's gyro and position sensors to track the motion and position of the user inside a room.

**Over-Hear, Seattle** APRIL 2019 - MAY 2019

- Created Android app with **Android Studio** and **Java** that allows deaf people to understand speech by eliminating sign languages using Google's Speech Recognition and Porcupine API for Voice Commands.
- Awarded Best Wild Card Hack Award at Def Hacks 2019 hosted at Microsoft HQ.

**Reson8, Seattle** JANUARY 2019 - FEBRUARY 2019

- Created web app that allows people with inability to speak a means of communication by converting hand gestures to computer-readable text using Myo armband (controlled using **Lua**) and a Raspberry Pi kernel to control Amazon Echo Dot.
- Won the Best Hack overall and Best Hack Awards by Microsoft, Cisco, and Amazon at Hack WA '19.

## LEADERSHIP EXPERIENCE

**DubsTech at UW, Seattle** — *Lead Web Developer & Mentor* MARCH 2019 - PRESENT

- Conducted workshops on Computer Programming, Web Development, and User Experience.
- Redesigned website and enhanced UI/UX using **HTML5, CSS3 & JavaScript**.