



ANSHITA SAINI

GET IN CONTACT

Home: 425-391-6979
Mobile: 425-395-6664
anshitasaini@gmail.com
<https://tinyurl.com/anshitasaini>
Bellevue, WA, 98006

AREAS OF EXPERTISE

- Proficient in Python, Javascript, HTML/CSS, Java, LaTeX and ML
- Extensive signal processing experience
- Excellent leadership, teamwork, and analytical skills

CHANGEMAKER

Vice President of nonprofit She Codes Art | SEP 2014 - PRESENT

- Nonprofit has impacted 1000+ students to reduce gender gap in STEM (shecodesart.org).
- Teach/organize weekly coding workshops and full-day conferences.
- Influence teens to engage with computing at Bill and Melinda Gates Teen Action Fairs.

Founder and President of nonprofit Code4Care

- Fundraising for COVID-19 efforts by virtually teaching coding
- Impacted 200+ students in 6 continents (code4care.weebly.com)

WORK EXPERIENCE

ASTROPHYSICS RESEARCHER

Summer Science Program (affiliates Caltech, MIT, Harvey Mudd) | 2020

- 1 of 35 students selected internationally
- Operated a research-grade telescope remotely to take images of a near-earth asteroid and calculate its orbital path - <http://tinyurl.com/orbitreport>

RESEARCH INTERN

University of Washington - Ubiquitous Computing Lab | 2019 - PRESENT

PROJECT 1:

- Aims to quantify upper body movement using novel sonar sensing method on mobile phone.
- Co-authoring research paper.
- Developed back-end of health application targeting millions with sedentary lifestyles.
- Coded data collection web application, conducted study, developed repetition counting techniques.
- Applied deep learning Python to classify over 10 types of physical activity.

PROJECT 2:

- Aims to identify patients that are best suited for carotid artery surgery for stroke risk detection.
- Applying signal processing and computer vision to extract pulse from facial video.

EDUCATION HISTORY

INTERLAKE HIGH SCHOOL Gifted Senior, 2014-Present, 4.0 GPA

- National AP Scholar Award - Top score of 5 on college-level courses including Computer Science, Calculus BC & Physics.
- Awarded International Baccalaureate Diploma (accelerated program).

WESTERN AEROSPACE SCHOLAR 5 University of Washington Credits Dec 2018 - Aug 2020

- Selected for program to earn UW Earth & Space Science credits with online graded course.

LEADERSHIP EXPERIENCE

President of Interlake Rocketry Club (25+ members):

- Increased previous funding by \$2000.
- Coordinate launches, mentor new members, reorganize club functions.

Founder and President of Technovation Club (30+ girls):

- Lead club members in creating an app, business plan, and pitch to solve community problem.

President of Future Problem Solvers Club (15+ members)

- Handle finances, communicate with officials, facilitate trips.

Under-Secretary General of Technology for BELMUN 2019:

- Organized and maintained website for Model UN conference serving 150+ students.

AWARDS AND HONORS

- NCWIT Aspirations in Computing Washington Award Winner (2020)
- International Semifinalist for Technovation, 1st place in region (2019)
- National 4th Place for Presentations (2020) and 16th Place at American Rocketry Challenge (2017)
- 3rd place international winner at Future Problem Solvers (2019)
- National 6th Place in South Asian Spelling Bee.
- Senior Diploma in Hindustani Classical Music, 8 years of training
- Grade 4 in Kathak - Indian Dance, 6 years of training
- State champion on the competitive gymnastics bars apparatus in XCEL, 10 years of experience (2019)
- 5th Place for Fermi Questions at Washington Science Olympiad (2018)