ANSHITA SAINI

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EDUCATION HISTORY

UNIVERSITY OF TEXAS AT AUSTIN

Turing Scholar CS Honors, May 2025

- BS Computer Science
= BS Mathematics
- Completed: Data Structures, Discrete Math (CS), Intro to Probability and Statistics
= In progress: Computer Architecture

INTERLAKE HIGH SCHOOL

Gifted Senior, 2017-2021, 4.0 GPA

- Awarded accelerated IB Diploma
- National Merit Scholar
- EdX Course - Microsoft: Principles of Machine Learning: Python

SKILLS

- Programming:
  - Python
  - JavaScript
  - ReactNative
  - PHP
  - HTML/CSS
  - Java
  - MATLAB
  - GitHub
- Engineering:
  - Microsoft Office
  - Fusion 360
  - AutoCAD

WORK EXPERIENCE

META (FORMERLY FACEBOOK)

Incoming Software Engineering Intern | May 2022 - Aug 2022

GOOGLE

Computer Science Summer Institute | Jul 2021 - Aug 2021
- Participated in 4-week intensive computer science program for high-achieving students
- Completed project-based **JavaScript / Firebase** curriculum taught by Google engineers
- Configured 10+ individual coding projects in **JavaScript**
- Delivered collaborative final project presentation with live demonstration to Google employees and community leaders - CSSI Messaging App

LOCKHEED MARTIN

Intern | Sept 2020 - Jul 2021

- Used **Python, Docker, and GitLab** to analyze Big Data to find faults on laser systems
- Applied **Jira** for project management for 30+ person team
- Built **Beautiful Soup** web scraper to generate lead times for 1000+ parts reducing manual work by 60x
- Further details may not be disclosed due to NDA and ITAR

RESEARCH EXPERIENCE

UNIVERSITY OF WASHINGTON - UBIQUITOUS COMPUTING LAB

Research Intern | Jun 2019 - Jun 2021

- Applied **Python** signal processing and computer vision **(OpenCV)** to extract pulse of user from facial videos for stroke risk detection
- Wrote **MATLAB** script for motion correction on facial videos
- Coded sonar sensing data collection web app using **PHP** and advanced **HTML/Javascript**
- Developed **Python** signal processing techniques to count repetitions of upper-body activities through a phone's microphone
- Applied Python deep learning (Keras) to classify over 10 physical activities with 2D CNN
- Additional details: Research Report, Poster

SUMMER SCIENCE PROGRAM (AFFILIATES CALTECH, MIT)

Astrophysics Researcher | Jun 2020 - Jul 2020

- 1 of 36 students selected internationally
- Operated a research-grade telescope remotely to take images of asteroid
- Developed **Python**-based software to calculate its 6 orbital elements - Research Report

CHANGEMAKER

Vice President of She Codes Art | Sept 2014 - Jul 2021

- Impacted 1000+ students to reduce gender gap in STEM
- Organize 60+ coding workshops and full-day conferences
- Partnered with 14+ organizations
- Influence teens to engage with computing at Bill and Melinda Gates Teen Action Fair (shecodesart.org)

Founder and President of Code4Care | Jul 2017 - Sept 2021

- Fundraising for COVID-19 efforts by virtually teaching coding
- Raised $2000, taught 20+ webinars in 6 continents
- Impacted 300+ students (code4care.weebly.com)

AWARDS AND HONORS

2020-2021

- Recognized out of nearly 100,000 applicants as Coca-Cola Scholar for academic achievement, outstanding leadership, and community impact
- Recognized as 1 of 28 National InspirASIAN Scholars
- NCWIT Aspirations in Computing Washington Award Winner
- Top 5 Team for American Rocketry Challenge Presentation

2019-2020

- International 3rd place Winner at Future Problem Solvers
- International Semifinalist for Technovation, 1st place in region