## SNIPTA MALLICK

### **EDUCATION**

### The University of Texas at Dallas

GPA: 3.87

B.S. Computer Science and Cognitive Science

### PROFESSIONAL EXPERIENCE

Microsoft May 2020 – Present

#### **Software Engineer Intern**

- Developing state-of-the-art 5G cloud native applications for cloud platforms like Microsoft Azure, OpenStack, and VMware
- Leveraging the C/C++ and Java languages to develop statistical counters for 5G mobile network functions
- Proactively participating in weekly scrum team meetings and reporting progress on assigned tasks
- Skills: C/C++, Java, Unix, Git, Kubernetes, Prometheus, JSON

## **Roosevelt Institute National Network**

August 2019 - May 2020

## **Healthcare Policy Coordinator**

- Engaged with 20+ healthcare policy teams as the healthcare policy consultant for over 40+ Roosevelt Network chapters
- Led policy writing, data analysis, and advocacy trainings and published policy guides and blog posts for the Network
- Guided project teams focusing on increasing accessibility to HIV testing, decreasing infant mortality rates, and more

## **University of Texas at Dallas**

## **Undergraduate Researcher - Face Perceptions Lab**

August 2019 - Present

- Evaluating accuracy of biometric facial recognition systems in detecting morphed faced images of racial minorities
- Developed Python script that automates the morphing process of over 3000+ images in the Notre Dame Face Database
- Skills: Python, R, PsychoPy, Deep Convolutional Neural Networks, Data Science

### PERSONAL PROJECTS

CovidBot June 2020 – Present

## Web Application Developer

- Developing coronavirus chatbot that would provide fast, accessible COVID-19 information for UT Dallas students
- Integrating CovidBot with Django website framework and trained chatbot using data parsed from UTD COVID-19 policies
- Skills: Django, Python, ChatterBot, Natural Language Processing, Web Development, Data Science

## Association for Computing Machinery (ACM)

Jan 2019 – May 2019

### Front End Developer

- Built React website application that educates user on current political landscape through interactive data visualizations
- Contributed as a scrum team member and developed strong communication skills in result-oriented group
- Skills: React, Javascript, D3.js, Web Development, Data Science

## CAMPUS AND COMMUNITY ENGAGEMENT

# **UT Dallas Mercury Student Newspaper Opinion Columnist**

 $Jan\ 2020-Present$ 

- Publish opinion pieces centered on the ethical use of technology in the areas of higher education and healthcare
- Present analyses of various ethical issues in short technical pieces targeted towards general public in monthly column

## **UT Dallas Roosevelt Network Collegiate Think Tank**

Aug 2018 - May 2020

#### Co-President, Policy Director

- Managed 9 UT Dallas policy teams and organize general meeting content for 50+ chapter members
- Led workshop on creating data visualizations using Python and hosted UT Dallas's first public policy case competition
- Published policy paper on foster care healthcare reforms and founded first student organization serving this community

## **SKILLS & LANGUAGES**

- Technical: (Proficient): C/C++, Java, Python, Unix (Familiar): R, Javascript
- Courses: Computer Science 1, Computer Science 2, Data Structures and Algorithms, C/C++ in UNIX, Statistics
- Languages: English (fluent), Spanish (conversational), Hindi (conversational)

## **HONORS & AWARDS**

- Eugene McDermott Scholar 1 of 17 selected for UTD's flagship, merit-based scholarship program
- National Merit Commended Scholar National recognition for PSAT score in top 3-4% of 1.6 million test takers
- Undergraduate Research Scholar Award Recipient of competitive UTD research scholarship to advance research work