Snipta.Mallick@utdallas.edu

SNIPTA MALLICK

214-236-7790

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 — Jan 2020 – Present
Technology Opinion Columnist
- 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