SNIPTA MALLICK

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EDUCATION

University of Texas at Dallas 2018 – 2022
B.S. Computer Science & B.S. Cognitive Science Richardson, TX

EXPERIENCE

Microsoft May – Dec 2020
Software Engineering Intern
- Performed system-level building, testing, and debugging using knowledge of LTE and WiFi protocols to build cloud native mobile applications for Microsoft Azure and **100+ other customers** (*Prometheus, Jenkins, Linux)*
- Designed and deployed **15+ new statistical tracking** features to report 5G call flow messages (*C/C++, Kubernetes),* improving feature development for **2000+ teams** and created technical publications for developers and customers

University of Texas at Dallas Sep 2019 – Present
Facial Recognition Research Assistant
- Spearheading study of deep learning models **(D-CNNs)** and human performance on morph detection *(R, Python)*
- Analyzing influence of the other-race effect on performance to evaluate efficacy of e-Gates with biometric verification

Roosevelt Institute, Network National Leadership Aug 2019 – Present
Healthcare Policy Coordinator
- Collaborate with Network team to manage, organize, and guide student-led progressive policy campaigns
- Engaged with **15+ health policy teams** as the healthcare policy consultant for Roosevelt Network chapters in 40+ states
- Crafted policy implementation guides, blog posts, and assisted with policy trainings for the Network

LEADERSHIP

Foster Connect Jan 2020 – Present
Founder & President
- Founder of first-of-its-kind non-profit supporting North Texas foster care through community service and advocacy
- Developed 250 care packages and 100 placement bags for foster youth as recipient of $1500 Victor L. Worsfold Grant
- Built coalitions with Dallas CASA, Cook Children's Hospital, and Dallas Family Protective Services to advocate for youth

Roosevelt Network at UT Dallas
Policy Coordinator & Copresident Aug 2019 – May 2020
- Managed 6 UT Dallas policy teams and organized general meeting content for 50+ members – led 3 policy publications
- Recognized as Best New Chapter of the Year and nominated for Roosevelt Network Rising Star award for leadership

Health Policy Researcher Aug 2018 – May 2019
- Devised policy to improve healthcare for foster children by integrating electronic health records with health passports
- Co-author of published paper in 2019 *10 Ideas* and collaborated with stakeholders to introduce TX Senate Bill 1911

VOLUNTEERING

Code for Dallas Sep 2020 – Present
- Collaborating with fellow brigade members to develop pothole reporting application for Dallas residents

Texas Health Dallas Presbyterian Hospital Volunteer Jan – Mar 2020
- Contributed 40+ volunteer hours, aided patients and health providers, and managed confidential patient paperwork

FELLOWSHIPS

Code for Equity, Impact Labs – 4-month tech & ethics program for building equitable systems Dec 2020 – Present
Eugene McDermott Scholars Fellow – 1 of 17 selected for UTD's full-ride leadership program Aug 2018 – Present
Collegium V Honors Program – Member of university-wide honors college program Aug 2018 – Present

SKILLS

Languages/Frameworks: C/C++, Java, Python, Linux, R, HTML, CSS, Javascript, Node.js
Technologies: Linux, Jenkins, Docker, Figma, Git, JIRA, Postman, Kubernetes