

## RESEARCH INTERESTS

**Human-Computer Interaction, Computer-Supported Cooperative Work, Ubiquitous Computing, Technology for Underrepresented Populations.**

## EDUCATION

- 10/2019–05/2024 **Ph.D. Student in Information Science**, Drexel University, Philadelphia, PA  
Advisor: Dr. Jina Huh-Yoo | GPA: 3.96/4.00
- 08/2017–05/2019 **M. S. in Human-Computer Interaction (HCI)**, University of Maryland, College Park, MD  
Advisor: Dr. Eun Kyoung Choe | GPA: 4.00/4.00
- 07/2011–05/2015 **B.Des. in Design**, Indian Institute of Technology Guwahati, India | CPI: 7.73/10.00

## EMPLOYMENT

- 06/2022–09/2022 **Amazon, Seattle, WA**  
*User Experience (UX) Research Intern*  
Conducted a Diversity, Equity, and Inclusion qualitative evaluation study.  
Collaborated cross-functionally with Research, Design, DEI, Legal, and PR Teams.
- 10/2019–Present **Drexel University, Philadelphia, PA**  
*Graduate Research Assistant | Mentor: Dr. Jina Huh-Yoo*  
Use qualitative and mixed-methods research approaches to build emerging technologies for informal caregivers aiding in care recipients' health behavior change.
- 10/2017–05/2019 **University of Maryland, College Park, MD**  
*Graduate Research Assistant | Mentor: Dr. Elizabeth Bonsignore*  
Conducted bi-weekly participatory design research method sessions with children participants aged 8-12 years as part of Kidsteam.
- 05/2016–09/2016 **dishq, Bangalore, India**  
*User Experience Designer*  
User research of mobile-based application for matching restaurants to users' food likings.
- 07/2015–04/2016 **Abzooba India Infotech Pvt. Ltd., Kolkata, India**  
*User Experience Designer*  
Visualizations for indicating the company's key performance metrics.

## HONORS AND AWARDS

- 2021 Google CS Research Mentorship Program (CSRMP) Scholar
- 2021 Student Awardee, NSF SCH PI Workshop: Smart Health in the AI and Covid Era
- 2021 CRA-WP Grad Cohort for Women Workshop
- 2020–21 Grace Hopper Scholarship, Drexel University
- 2020 Cell2Society Aging Research Grant, Drexel University (\$2000)
- 2018 Research Improvement Grant, University of Maryland (\$600)
- 2018 Grace Hopper Scholarship, University of Maryland
- 2018 SOUPS 2018 - Best Poster Award [p1]
- 2011 Top 1% in Indian Institute of Technology - Joint Entrance Examination

## PUBLICATIONS

### Journal Articles (Rigorously Peer Reviewed)

- j3 Kocaballi, A.B., Sezgin, E., Clark, L., Carroll, J.M., Huang, Y., Huh-Yoo, J., Kim, J., Kocielnik, R., Lee, Y., Mamykina, L., Mitchell, E.G., Moore, R.J., Murali, P., Mynatt, E.D., Park, S.Y., Pasta, A., Richards D., Silva, L.M., **Smriti, D.**, Spillane, B., Zhan, Z., Zubatiy, T. (2022).  
**Design and Evaluation Challenges of Conversational Agents in Healthcare and Wellbeing.** *Journal of Medical Internet Research (JMIR)*.
- j2 **Smriti, D.**, Kao, T.S., Rathod, R., Shin, J.S., Peng, W., Williams, J., Muijb, M., Colosimo, M., Huh-Yoo, J. (2022).  
**Motivational Interviewing Conversational Agent for Parents as Proxies for their Children in Healthy Eating: Development and User Testing.**  
*Journal of Medical Internet Research Human Factors (JMIR Human Factors)*.
- j1 **Smriti, D.**, Ambulkar, S., Meng, Q., Kaimal, G., Ramotar, K., Park, S., Huh-Yoo, J. (2021).  
**Creative Arts Therapies for the Mental Health of Emerging Adults: A Systematic Review.** *The Arts in Psychotherapy*.

### Conference Proceedings (Rigorously Peer Reviewed)

- c1 Badillo-Urquiola, K., **Smriti, D.**, McNally, B., Bonsignore, E., Golub, E., Wisniewski, P. (2019).  
**Stranger Danger!: Social Media App Features Co-Designed with Children to Keep Them Safe Online.** *ACM Interaction Design and Children (IDC '19)*.

### Posters (Peer Reviewed)

- p4 **Smriti, D.**, Rathod, R., Huh-Yoo, J. (2021).  
**Toward Privacy Implications in Developing and Deploying Chatbots in Informatics Research: Analysis of Chatbot Development Platforms.**  
*The Annual Symposium of American Medical Informatics Association (AMIA '21)*.
- p3 Kao, T-S. A., Ling, J., **Smriti, D.**, Shin, J.Y., Peng, W., Huh-Yoo, J. (2021).  
**The Feasibility of Technology-Adapted Motivational Interviewing (TAMI).**  
*Midwest Nursing Research Society (MNRS) Virtual Annual Research Conference '21*.
- p2 **Smriti, D.**, Shin, J.Y., Mujib, M., Colosimo, M., Kao, T.S., Williams, J.R., Huh-Yoo, J. (2020).  
**TAMICA: Tailorable Autonomous Motivational Interviewing Conversational Agent.**  
*EAI International Conference on Pervasive Computing Technologies for Healthcare (PervasiveHealth '20)*.
- p1 Badillo-Urquiola, K., **Smriti, D.**, McNally, B., Bonsignore, E., Golub, E., Wisniewski, P. (2018).  
**Co-Designing with Children to Address "Stranger Danger" on Musical.ly.**  
*Symposium on Usable Privacy and Security (SOUPS '18)*. [BEST POSTER]

### Workshop Papers and Abstracts (Peer Reviewed)

- w4 **Smriti, D.**, Rathod, R., Huh-Yoo, J. (2021).  
Toward Privacy Implications in Developing and Deploying Chatbots: Analysis of Chatbot Development Platforms.  
**Workshop: Let's Talk about CUIs: Putting Conversational User Interface Design Into Practice.** *ACM Human Factors in Computing Systems (CHI '21)*.

- w3 **Smriti, D.**, Shin, J.Y., Mujib, M., Colosimo, M., Kao, T.S., Williams, J.R., Huh-Yoo, J. (2020). TAMICA: Tailorable Autonomous Motivational Interviewing Conversational Agent. **Workshop: Conversational Agents for Health and Well-being.** *ACM Human Factors in Computing Systems (CHI '20)*.
- w2 **Smriti, D.**, DiMaria-Ghalili, R. A., Gitlin, L. N., Sarcevic, A., Yan, E., Huh-Yoo, J. (2020). Information Quality Assessment Framework for Online Dementia Care Resources. *The Gerontological Society of America (GSA) 2020 Annual Scientific Meeting*.
- w1 Mastrianni, A., **Smriti, D.\*** (2020). Exploring the Effect of Social Connections on Transactional Behaviors in Venmo. *Americas Conference on Information Systems (AMCIS 2020) TREOs*.

## PRESENTATIONS AND INVITED TALKS

- 03/2021 Designing Conversational Agents for Health Management.  
Drexel CHI User Experience Club, Philadelphia, PA.
- 04/2020 TAMICA: Tailorable Autonomous Motivational Interviewing Conversational Agent.  
Oral Presentation at Drexel Emerging Graduate Scholars Conference, Philadelphia, PA.

## PROFESSIONAL SERVICES

### Reviewer

*ACM Human Factors in Computing Systems (CHI)* 2021, 2022 (Full papers, Late-Breaking Works)  
*ACM Computer-Supported Cooperative Work and Social Computing (CSCW)* 2021, 2022, 2023 (Full papers)  
*The Annual Symposium of American Medical Informatics Association (AMIA)* 2020, 2021 (Full papers, Posters)  
*ACM Interaction Design and Children (IDC)* 2021 (Short Papers)  
*Applied Clinical Informatics Journal* 2021 (Full papers)

### Student Volunteer

*ACM Human Factors in Computing Systems (CHI)* 2020  
*ACM Computer-Supported Cooperative Work and Social Computing (CSCW)* 2020

## TEACHING EXPERIENCE

### Teaching Assistant

Fall 2022 INFO 508 - Information Innovation through Design Thinking (worked with Dr. Polly College)

## STUDENTS MENTORED

- 2021 Sukhi Sandhu, Masters student, Drexel University, College of Computing and Informatics
- 2021 Amoh Kwaku, Masters student, Drexel University, College of Computing and Informatics
- 2020–21 Rahil Rathod, Masters student, Drexel University, College of Computing and Informatics
- 2020 Nadien Zerban, Undergraduate student, Drexel University, College of Computing and Informatics
- 2020 Katelyn Moore, Undergraduate student, Drexel University, College of Biomedical Engineering, Science and Health Systems
- 2019 Sree Mahit Munakala, Masters student, Carnegie Mellon University, HCII

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\*The author(s) who contributed equally as the first author.

## **LEADERSHIP POSITIONS**

- 2021–22 Vice President, Doctoral Students Association, College of Computing & Informatics, Drexel University  
2020–21 Treasurer, Doctoral Students Association, College of Computing & Informatics, Drexel University

## **DIVERSITY, EQUITY, AND INCLUSION EFFORTS**

- 2020–21 CHI Mentoring (CHIMe) Workshop 2020, 2021  
2019–20 Graduate Mentor for Undergraduate Students, Drexel Women in Computing Society  
2018–19 Graduate Mentor for 2018 HCI Masters Students, University of Maryland, College Park

## **SKILLS**

- Research** Participatory design, diary study, observation, survey, interview, contextual inquiry, qualitative data analysis, descriptive statistics, inferential statistics.  
**Design** Rapid prototyping, empathy mapping, card sorting, wireframing, usability testing.  
**Code** HTML, CSS, JavaScript, jQuery, Python, SQL, C/C++.  
**Software** NVivo, SPSS Statistical Analysis, Adobe Creative Suite, Balsamiq, Invision, Figma, Tableau.