

# Diva Smriti

College of Computing and Informatics  
Drexel University, Philadelphia, PA  
diva.smriti@drexel.edu  
<https://divasmriti.github.io/>

I make conversational agents for health behavior change and maintenance.

## RESEARCH INTERESTS

Human-Computer Interaction, Health Informatics, Computer-Supported Collaborative Work.

## EDUCATION

- 2019–Present      **Ph.D. Student in Information Science**, Drexel University, Philadelphia, PA  
Advisor: Dr. Jina Huh-Yoo
- 2017–2019      **M. S. in Human-Computer Interaction (HCI)**, University of Maryland, College Park, MD  
Advisor: Dr. Eun Kyoung Choe
- 2015      **B.Des. in Design**, Indian Institute of Technology Guwahati, India

## EMPLOYMENT

- 10/2019–Present      Drexel University, Philadelphia, PA  
**Graduate Research Assistant | Mentor: Dr. Jina Huh-Yoo**  
Creating conversational agent design features for managing health in everyday life.  
Target audiences include (1) parents wanting to eat healthy with their children;  
(2) caregivers of older adults to help manage older adults' health in everyday life.
- 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      Student Awardee, NSF SCH PI Workshop: Smart Health in the AI and Covid Era
- 2021      CRA-WP Grad Cohort for Women Workshop
- 2020      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 0.1% in Indian Institute of Technology - Joint Entrance Examination

## PUBLICATIONS

### Conference Proceedings (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)

- 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]

### Abstracts and Workshop Papers

- w5 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).
- w4 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).
- w3 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.
- w2 Mastrianni, A., Smriti, D.\* (2020). **Exploring the Effect of Social Connections on Transactional Behaviors in Venmo.**  
Americas Conference on Information Systems (AMCIS 2020) TREOs.
- w1 Smriti, D., Choe, E. K. (2018). **Designing Technology to Increase Adoption of Healthy Behaviors in Men in the Context of Light Food Consumption.**  
Human-Computer Interaction Laboratory Symposium (HCIL Symposium '18).

### 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.

---

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

## PROFESSIONAL SERVICES

### Reviewer

ACM Human Factors in Computing Systems (CHI) 2021

The Annual Symposium of American Medical Informatics Association (AMIA) 2020, 2021

ACM Interaction Design and Children (IDC) 2021

ACM Computer-Supported Collaborative Work (CSCW) 2021

### Student Volunteer

ACM Human Factors in Computing Systems (CHI) 2020

ACM Computer-Supported Collaborative Work (CSCW) 2020

## LEADERSHIP

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

2019–20 **Graduate Mentor** for undergraduate students of Drexel Women in Computing Society

2018–19 **Graduate Mentor** for 2018 HCI Masters Students at University of Maryland

## STUDENTS MENTORING

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

## SKILLS

**Research** Participatory design, diary study, observation, survey, interview, contextual inquiry, qualitative data analysis, descriptive statistics, inferential statistics, SPSS Statistical Analysis, NVivo.

**Design** Rapid prototyping, empathy mapping, card sorting, usability testing, Adobe Creative Suite, Balsamiq, Invision, Sketch, Figma, Tableau.

**Code** HTML, CSS, JavaScript, jQuery, Python, C/C++.