Shruti Phadke

Incoming Assistant Professor, Drexel University

I am a computational social science researcher interested in understanding the social, information sharing and group processes in online communities of problematic information such as conspiracy theories and online extremist movements. My research has implications in designing interventions to reduce online engagement with problematic information.

Professional Experience

2024 — Assistant Professor at Drexel University Information Science Department
Appointment starts on 1st September 2024

2023 — Computational research scientist, TikTok
TikTok Trust and Safety Research Lab

2023 — Visiting research scholar at University of Texas Austin
Department of Psychology

Education

2023 — PhD at University of Washington, Information School
Analyzing communities of problematic information: A Computational social science approach

2018 — MS at Virginia Tech Electrical and Computer Engineering

Research publications

Journals and Proceedings

2024 ICWSM — Characterizing Political Campaigning with Lexical Mutants on Indian Social Media.
Shruti Phadke, Tanushree Mitra, Accepted at ICWSM 2024

2023 CSCW — Learning from the Ex-Believers: Individuals′ Journeys In and Out of Conspiracy Theories Online
Kristen Engel, **Shruti Phadke,** Tanushree Mitra, Accepted at CSCW 2023

2022 ICWSM — Pathways through Conspiracy: The Evolution of Conspiracy Radicalization through Engagement in Online Conspiracy Discussions. Best Paper Award (offered to only one paper)
Shruti Phadke, Mattia Samory, Tanushree Mitra, ICWSM 2022

2021 CSCW — Characterizing Social Imaginaries and Self-Disclosures of Dissonance in Online Conspiracy Discussion Communities. Best Paper Honorable Mention Award
Shruti Phadke, Mattia Samory, Tanushree Mitra, CSCW 2021

2021 CSCW — Educators, Solicitors, Flamers, Motivators, Sympathizers: Characterizing Roles in Online Extremist Movements
Shruti Phadke, Tanushree Mitra, CSCW 2021

2020 CSCW — What Makes People Join Conspiracy Communities?: Role of Social Factors in Conspiracy Engagement. Best Paper Honorable Mention Award
Shruti Phadke, Mattia Samory, Tanushree Mitra, CSCW 2020

2020 CHI — Many Faced Hate: Cross Platform Content Framing and Information Sharing by Online Hate Groups.
Shruti Phadke, Tanushree Mitra, CHI 2020

2019 CSCW — Framing Hate with Hate Frames: Designing the Codebook. Interactive poster and extended abstract
Shruti Phadke, Jonathan Lloyd, James Hawdon, Mattia Samory, Tanushree Mitra. CSCW 2018

Datasets

Zenedo   A Cross-Platform Gab and Parler Dataset Surrounding U.S Capitol Protests
            Shruti Phadke, Tanushree Mitra, 2021

VTechWorks Cross-Platform Data Collection and Analysis for Online Hate Groups.
            Shruti Phadke, Rohit Chandaluri 2020

In review

2023   Designing interventions for climate change denialism in online communities
            Ruican Zhong, **Shruti Phadke,** Beth Goldberg Tanushree Mitra

Teaching

2024 FALL   Drexel University Information Science: INFO 615 Designing with Data
            Instructor

2022 SPR   UW iSchool IMT 547 A: Social Media Data Mining and Analysis
            Guest lecturer and course design

2021 - 2022 National Defense University (NDU) College of Information and Cyberspace. CIC 6693
            Guest lecturer for Minerva education and research grant

2020 - 2021 Virginia Tech Computer Science Department CS 3654: Intro Data Analytics & Viz
            Guest lecturer and teaching assistant

2017 - 2018 Virginia Tech ECE Department ECE 2574: Data Structures and Algorithms
            Guest lecturer and teaching assistant

Grants and Awards

2024   International Conference on Web and Social Media (ICWSM) Best Reviewer Award

2023   Google Jigsaw research grant
            160K in funding for designing interventions for critical thinking in conspiracy discussions online.

2022   International Conference on Web and Social Media (ICWSM) Best Paper Award

2020 - 2021 Computer Supported Cooperative Work & Social Computing (CSCW) Best Paper Honorable Mention

Outreach and Service

2021 CSCW   Interdisciplinary workshop on online extremism research. Lead organizer
            Addressing Challenges and Opportunities in Online Extremism Research: An Interdisciplinary
            Perspective

Reviewer   CSCW 2018 -2024, ICWSM 2019-2024, CHI 2020-2022, Psychology of Violence 2023, NAACL 2022

Mentorship

USA

Neelesh Agarwal, PhD student
Kristen Engel, PhD student
Shuang Zhao MS student
Naitian Zhou, UG student
Sophia Wang, UG student
Prathamesh Mahankal, MS student
Liz Dao, UG Student

India

Rishikesh Unawane, UG student
Kaushal Ratnapagol, UG student
Aashay Bongulwar, UG student