Shubhangi Gupta

Ph.D. Candidate, Digital Media, Georgia Tech
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Education

Georgia Institute of Technology	2020 – 2024 (expected)
Ph.D. in Digital Media	
Georgia Institute of Technology	2018 – 2020
Master of Science in Human-Computer Interaction	
Indian Institute of Technology, Guwahati	2014 – 2018
Bachelor of Design	

Research Interests

My dissertation research aims to develop methods that support the public in critically engaging with predictive technologies that affect their lives in dominant yet invisible ways. I conduct participatory mapping workshops with diverse social groups to understand how different publics envision the workings and impacts of predictive systems in relation to their communities and neighborhoods.

Keywords: Critical Data and Algorithmic Studies, Science and Technology Studies, Explainable AI, Social Justice

Work Experience

IBM Responsible and Inclusive Tech	May'22 – Aug'22
Qualitative Research Intern	*Yorktown Heights, NY*
Conducted qualitative and theoretical research to help develop a framework for the responsible development of AI systems.	
Google Ads Privacy and Safety	Aug'21 – Nov'21
User Experience Research Intern	*Remote*
Conducted interviews and diary study to understand the relationship between user safety, ad explanations, and ad controls.	
Striim Inc.	May'19 – Jul'19
User Research and Experience Design Intern	*Palo Alto, CA*
Conducted interviews and usability studies to design the onboarding experience and dashboard for the primary Striim platform used to perform data management.	
Research Laboratory in Computer Science (LRI), Université Paris-Sud	May '17 – Jul'17
Interaction Design Intern	*Orsay, France*
Conducted participatory workshops and video prototyping to design an interactive wall display that documents the work of researchers at Université Paris-Sud.	
Indian Institute of Science, Bangalore	May '16 – Jul'16
Design Research Intern	*Bangalore, India*
Conducted theoretical research to help design a toolkit that helps design environmentally, socially, and economically sustainable products.	

Just Good Enough Explanations: What The Public Needs To Know About Civic Algorithms
Shubhangi Gupta & *Yanni Loukissas*
In Submission

Reflexive Data Walking: Embodied Explorations at the Boundaries of Space and Knowledge
Sylvia Janicki, *Shubhangi Gupta* & *Nassim Parvin*
In Submission

Mapping the Smart City: Participatory Approaches to XAI 2023
Shubhangi Gupta
Companion Publication of the 2023 ACM Designing Interactive Systems Conference (DIS '23 Companion)

Making Smart Cities Explainable: What XAI Can Learn from the "Ghost Map" 2023
Shubhangi Gupta & *Yanni Loukissas*
Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems (CHI EA '23)

Rethinking Safe Mobility: A Case Study of Safetipin in India 2022
Shubhangi Gupta, Sylvia Janicki, Pooja Casula & *Nassim Parvin*
International Conference on Information & Communication Technologies and Development (ICTD '22)

Mess and Making Matters in Feminist Teaching 2022
Contributed alongside Nassim Parvin & Rebecca Rouse and other authors
Catalyst: Feminism, Theory, Technoscience 2022

Unsettling Boundaries through Data 2021
Shubhangi Gupta & *Sylvia Janicki*
Workshop at the Information+ Conference 2021

Monitoring Student Learning: Critically Examining the 'Idealized' Case 2021
Shubhangi Gupta & *Aditya Anupam*
Workshop at the Connected Learning Summit 2021

Concerns About the Promises of AI Tutors: A Case Study of MATHia 2020
Shubhangi Gupta, A. Anupam
Society for Social Studies of Science (4S) 2020

Collective Care: From 'independence' to 'inter-dependence' 2020
Shubhangi Gupta
Poster at Tapia 2020

Beyond Motivation and Memorization: Fostering Scientific Inquiry with Games 2019
Aditya Anupam, *Shubhangi Gupta, Azad Naeemi,* & *Nassim Parvin*
Extended Abstracts of the Annual Symposium on Computer-Human Interaction in Play (CHI PLAY '19)

Bringing Shades of Feminism to Human-Centered Computing. 2019
Contributed alongside Manasee Narvilkar, Neha Kumar, & other authors
Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems (CHI EA '19)

Social Sustainability of Online Instant Messaging Platform— WhatsApp. 2019
Shubhangi Gupta & *Pankaj Upadhyay*
Research into Design for a Connected World 2019

Talks

Politics of Safety in India: Technology and Perpetuation of Gendered Discourses — 2021
Ivan Allen College of Liberal Arts Graduate Student Conference 2021

Situating 'Data' and 'Design' — 2020
Sprinklr Design Team

Concerns About the Promises of AI Tutors: A Case Study of MATHia — 2020
Society for Social Studies of Science (4S) 2020

Research Skills

Qualitative Research (User Research, Interviews, Focus Groups, Contextual Inquiry, Field Studies, Usability Tests, Surveys, Journey Mapping), Participatory Research, Theoretical Research drawing on Science and Technology Studies (STS) and Feminist Scholarship, Research through Design

Achievements & Honors

Invited to present at the ACCelerate Festival — 2019, 2022
National Museum of American History, Washington, D.C.

GVU people's choice award runner-up for 'Heart Sense' and 'Psi and Delta' — 2019
GVU Center at Georgia Tech

Grace Hopper 2019 scholarship recipient — 2019
College of Computing, Georgia Tech

Department Rank 2, Academics — 2018
Department of Design at the Indian Institute of Technology, Guwahati

IIT-JEE 2014, Amongst the top 0.2% of 1.35 million students who took the exam. — 2014
Indian Institute of Technology Joint Entrance Examination