

Shubhangi Gupta

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Education

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

Work Experience

IBM Responsible and Inclusive Tech <i>Qualitative Research Intern</i> Conducted contextual inquiry and theoretical research to help develop a framework for the responsible development and governance of AI systems. The framework supported the design of ethical review standards and methods at IBM.	May'22 – Aug'22 Yorktown Heights, NY
Google Ads Privacy and Safety <i>User Experience Research Intern</i> Conducted interview studies (30+ users spanning 3 countries) and diary study (25+ participants) to understand the relationship between user safety, ad explanations, and ad controls. Collaborated across teams to support the design of Google's Ad Center.	Aug'21 – Nov'21 Remote
Striim Inc. <i>User Research and Experience Design Intern</i> Conducted user research and usability studies to design the onboarding experience and dashboard for the primary Striim platform used to perform data management. Developed an understanding of the user base for the development of a growing startup platform.	May'19 – Jul'19 Palo Alto, CA
Research Laboratory in Computer Science (LRI), Université Paris-Sud <i>Interaction Design Intern</i> Conducted participatory design workshops and video prototyping to design an interactive wall display that documents the work of researchers at Université Paris-Sud.	May '17 – Jul'17 Orsay, France
Indian Institute of Science, Bangalore <i>Design Research Intern</i> Conducted theoretical research to help design a toolkit that helps design environmentally, socially, and economically sustainable products.	May '16 – Jul'16 Bangalore, India

Dissertation Research

In my dissertation research, I study and design systems for the responsible and democratic design, use, and governance of predictive technologies. I conduct qualitative studies and participatory workshops with diverse social groups to collectively explore the workings and local impacts of predictive tools. Through such engagements, we envision the (re)design of safe, accountable, and desirable socio-technical systems.

Keywords: Critical Data and Algorithmic Studies, Social Science, Science and Technology Studies, Human-Centered AI, Human-AI Interaction, Social Justice

Select Publications, Posters, and Workshops

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. <i>Contributed alongside Manasee Narvilkar, Neha Kumar, & other authors</i> <i>Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems (CHI EA '19)</i>	2019
Social Sustainability of Online Instant Messaging Platform— WhatsApp. <i>Shubhangi Gupta & Pankaj Upadhyay</i> <i>Research into Design for a Connected World 2019</i>	2019

Talks

Politics of Safety in India: Technology and Perpetuation of Gendered Discourses <i>Ivan Allen College of Liberal Arts Graduate Student Conference 2021</i>	2021
Situating 'Data' and 'Design' <i>Sprinklr Design Team</i>	2020
Concerns About the Promises of AI Tutors: A Case Study of MATHia <i>Society for Social Studies of Science (4S) 2020</i>	2020

Research Skills

Qualitative Research (User Research, Interviews, Focus Groups, Contextual Inquiry, Field Studies, Usability Tests, Surveys, Journey Mapping, Designing studies and experiments), Participatory Research, Research through Design

Theoretical Research drawing on Science and Technology Studies (STS) and Feminist Scholarship

Quantitative Analysis and Data Visualization (Statistics software such as Stata, Python, Regression analysis, Tableau, Mapbox)

Achievements & Honors

Invited to present at the ACCelerate Festival <i>National Museum of American History, Washington, D.C.</i>	2019, 2022
GVU people's choice award runner-up for 'Heart Sense' and 'Psi and Delta' <i>GVU Center at Georgia Tech</i>	2019
Grace Hopper 2019 scholarship recipient <i>College of Computing, Georgia Tech</i>	2019
Department Rank 2, Academics <i>Department of Design at the Indian Institute of Technology, Guwahati</i>	2018
IIT-JEE 2014, Amongst the top 0.2% of 1.35 million students who took the exam. <i>Indian Institute of Technology Joint Entrance Examination</i>	2014