

Amna Batool(She/Hers)

Ph.D. Candidate @ School of Information, University of Michigan (UMSI), Ann Arbor, MI, USA
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EDUCATION

Ph.D. in Information School of Information, University of Michigan (UMSI), Ann Arbor, MI Advisors: Kentaro Toyama , GPA: 3.9/4	Sept. 2019 - Present
Masters in Computer Science Information Technology University (ITU), Punjab, Pakistan GPA: 3.89/4 🏆 [passed with distinction]	Sept. 2012 - Aug. 2014
Bachelor in Electrical Engineering GPA: 3.51/4 🏆 [passed with distinction]	Sept. 2006 - Aug. 2010

PROFESSIONAL EXPERIENCE

School of Information, University of Michigan Graduate Student Research Assistant and Instructor	Sept. 2019 - Present
Center for Global Health Equity (CGHE), University of Michigan Consultant-Online Privacy Specialist	May 2024 - Aug. 2024
Google, NYC, USA Student Researcher, Responsible AI Team	May 2022 - Jan. 2023
Information Technology University (ITU), Pakistan Teaching Fellow (Lecturer) and Research Director at IPAL	Sept. 2013 - Aug. 2019

HONORS AND AWARDS

SOUPS Conference IMPACT Award Runner-Up 🏆	2024
Student Representation Nomination @ HCIC	2024
Student Volunteer @ CHI 2024	2024
Global Islamic Studies Center (GISC) Student Fellowship	2023
Rackham Travel Grant	2022, 2023, 2024
PhD Fulbright Scholarship	2019
CHI Best Paper Award ★	2019
SOUPS Best Paper Award ★	2018
STEM Women Role Model Award	2018
Australian Award Fellowship	2017
United Nations (UN) Peace Technology Initiative Fellowship	2017
MIT International Design Development Summit (IDDS) Fellowship	2015

PUBLICATIONS

Archived Full Papers

[C13] **Batool, A.** & Toyama, K.. Reporting Non-Consensual Image-Disclosure Abuse: Interactions between Law Enforcement and Social media Platforms (Aiming for CHI 2025).

[C12] **Batool, A.**, Dillahunt, T., Hui, J., & Naseem, M. Gendered, Collectivist Journeys: Exploring Sociotechnical Adaptation Among Afghan Refugees in the USA. Proceedings of the ACM on Human-Computer Interaction, (CSCW), 2024.

[C11] **Batool, A.**, Mullins, R., & Goyal, T. Model Interpretability in the Trenches: ML Practitioners' Unmet Needs While Integrating Interpretability Tools in Real World Settings (available at ArXiv soon).

[C10] **Batool, A.**, Naseem, M., & Toyama, K. (2024). Expanding Concepts of Non-Consensual Image-Disclosure Abuse: A Study of NCIDA in Pakistan. Manuscript to be submitted to the Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems.


[C9] Schoenebeck, S., **Batool, A.**, Do, G., Darling, S., Grill, G., Wilkinson, D., Khan, M., Toyama, K., & Ashwell, L. (2023). Online Harassment in Majority Contexts: Examining Harms and Remedies across Countries. In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems (pp. 1-16).

[C8] Im, J., Schoenebeck, S., Iriarte, M., Grill, G., Wilkinson, D., **Batool, A.**, ... & Naseem, M. (2022). Women's Perspectives on Harm and Justice after Online Harassment. Proceedings of the ACM on Human-Computer Interaction, 6 (CSCW), 1-23.

[C7] **Batool, A.**, Toyama, K., Veinot, T., Fatima, B., & Naseem, M. (2021). Detecting Data Falsification by Front-line Development Workers: A Case Study of Vaccination in Pakistan. In Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (pp. 1-14).

[C6] Mustafa, M., Zaman, K. T., Ahmad, T., **Batool, A.**, Ghazali, M., & Ahmed, N. (2021). Religion and Women's Intimate Health: Towards an Inclusive Approach to Healthcare. In Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (pp. 1-13).

[C5] Mustafa, M., **Batool, A.**, Fatima, B., Nawaz, F., Toyama, K., & Raza, A. A. (2020). Patriarchy, maternal health and spiritual healing: Designing maternal health interventions in Pakistan. In Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (pp. 1-13).

[C4] Sambasivan, N., **Batool, A.**, Ahmed, N., Matthews, T., Thomas, K., Gaytán-Lugo, L. S., Nemer, D., Bursztein, E., Churchill, E., & Consolvo, S. (2019). "They Don't Leave Us Alone Anywhere We Go": Gender and Digital Abuse in South Asia. In Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (pp. 1-14).  [Best Paper Award]

[C3] Sambasivan, N., Checkley, G., **Batool, A.**, Ahmed, N., Nemer, D., Gaytán-Lugo, L. S., Matthews, T., Consolvo, S., & Churchill, E. (2018). "Privacy is not for me, it's for those rich women": Performative Privacy

Practices on Mobile Phones by Women in South Asia. In Fourteenth Symposium on Usable Privacy and Security (SOUPS 2018) (pp. 127-142). 🏆 [Impact Award], ⭐ [Best Paper Award]

[C2] **Batool, A.**, Razaq, S., Javaid, M., Fatima, B., & Toyama, K. (2017). Maternal complications: Nuances in mobile interventions for maternal health in urban Pakistan. In Proceedings of the Ninth International Conference on Information and Communication Technologies and Development (pp. 1-12).

[C1] Razaq, S., **Batool, A.**, Ali, U., Khalid, M. S., Saif, U., & Naseem, M. (2016). Iterative Design of an Immunization Information System in Pakistan. In Proceedings of the 7th Annual Symposium on Computing for Development (pp. 1-10).

Workshop Papers

[W5] Batool, A. (2024). Culture, Gender and NCIDA: Exploring Non-Consensual Image Disclosure Abuse in Non-Western Societies, SOUPS 2024 Gender, Online Safety, and Sexuality Workshop (GOSS 2024).

[W4] Rifat, M. R., Bhimdiwala, A., Bhattacharjee, A., **Batool, A.**, Das, D., Mim, N. J., Safir, A. H., et al. (2023). Many Worlds of Ethics: Ethical Pluralism in CSCW. In Computer Supported Cooperative Work and Social Computing (pp. 490-496).

[W3] **Batool, A.** (2023). Unearthing Historical Context in Understanding Non-Consensual Disclosures. CSCW'23 Workshop on Historicism in/as CSCW Method: Research, Sensibilities, and Design.

[W2] **Batool, A.** (2023). Understanding and Designing to Combat Collective Harm of Non-Consensual Disclosures (NCDs) on Social Media Platforms. CHI'23 Workshop on Combating Toxicity, Harassment, and Abuse in Online Social Spaces.

[W1] Schoenebeck, S., Im, J., **Batool, A.**, Wilkinson, D., Funwie, A., Alharbi, R., Iriarte, M., Grill, G., Gilbert, E., & Naseem, M. (2021). Repairing Online Harms: Assessing Punitive and Reparative Justice Approaches. First Annual Conference of The Platform Governance Research Network.

Poster Papers

[P11] Batool, A. (2024). Expanding Concepts of Non-Consensual Image-Disclosure Abuse: A Study of NCIDA in Pakistan. Twentieth Symposium on Usable Privacy and Security (SOUPS 2024).

[P10] Gilani, S. T. B., Shahzad, A., Malik, S. A., Haseeb, R. A., Fatima, B., & **Batool, A.** (2019). Improving financial condition of small scale farmers through mobile-based crop suggestion services. In Proceedings of the Tenth International Conference on Information and Communication Technologies and Development (pp. 1-5).

[P9] Idrees, F., Qadir, J., Mehmood, H., Ul Hassan, S., & **Batool, A.** (2019). Urdu language-based information dissemination system for low-literate farmers. In Proceedings of the Tenth International Conference on Information and Communication Technologies and Development (pp. 1-5).

[P8] Naveed, K., Hameed, Z., Khalid, A., Hamid, A., Fatima, B., & **Batool, A.** (2019). Exploratory study on organ donation and organ transplantation in Pakistan. In Proceedings of the Tenth International Conference on Information and Communication Technologies and Development (pp. 1-4).

[P7] **Batool, A.**, Ahmed, N., Rasool, W., Saif, U., & Naseem, M. (2019). Money matters: exploring opportunities in digital donation to mosques in Pakistan. In Proceedings of the Tenth International Conference on Information and Communication Technologies and Development (pp. 1-4).

[P6] Idrees, F., **Batool, A.**, & Qadir, J. (2017). Weather forecast information dissemination design for low-literate farmers: An exploratory study. In Proceedings of the Ninth International Conference on Information and Communication Technologies and Development (pp. 1-5).

[P5] Ahmad, T., **Batool, A.**, Khalid, M. S., & Ibtasam, S. (2017). Scrolling, navigation, and selection: How new smartphone users discover it. In Proceedings of the Ninth International Conference on Information and Communication Technologies and Development (pp. 1-5).

[P4] Javaid, M., Fatima, B., & **Batool, A.** (2017). Bridging the knowledge gaps in lady health visitors through video-based learning tool. In Proceedings of the Ninth International Conference on Information and Communication Technologies and Development (pp. 1-4).

[P3] **Batool, A.**, Asghar, A., Tariq, T., Badar, M., Shahzad, I., Anwar, U., & Naseem, M. (2016). Design methods to reduce technology fear and solicit feedback from lady health workers (LHWs) in Pakistan. In Proceedings of the 7th Annual Symposium on Computing for Development (pp. 1-4).

[P2] **Batool, A.**, Ali, U., Razaq, S., & Naseem, M. (2016). Child immunization health card redesign: an iterative, user-centered approach. In Proceedings of the Eighth International Conference on Information and Communication Technologies and Development (pp. 1-4).

[P1] **Batool, A.**, Razaq, S., & Toyama, K. (2015). An investigation into ICT-addressable causes of maternal mortality in Pakistan. In Proceedings of the 2015 Annual Symposium on Computing for Development (pp. 65-66).

Magazine Articles

[A3] Mustafa, M., **Batool, A.**, & Raza, A. A. (2019). Designing ICT interventions for women in Pakistan. *Communications of the ACM*, 62(11), 46-47.

[A2] Sambasivan, N., Ahmed, N., **Batool, A.**, Bursztein, E., Churchill, E., Gaytan-Lugo, L. S., Matthews, T., Nemar, D., Thomas, K., & Consolvo, S. (2019). Toward Gender-Equitable Privacy and Security in South Asia. *IEEE Security & Privacy*, 17(4), 71-77.

[A1] Sambasivan, N., Checkley, G., Ahmed, N., & **Batool, A.** (2017). Gender equity in technologies: considerations for design in the global south. *Interactions*, 25(1), 58-61.

TEACHING EXPERIENCE

University of Michigan

Sept. 2020 - April 2021

Graduate Student Instructor (GSI)

- *SI 501: Contextual Inquiry*: A 3-credit grad-level course that provides hands-on industry experience to work with real clients to understand their needs and provide recommendations by applying qualitative research methods.

- *SI 422: Needs Assessment and Usability Evaluation*: A 3-credit undergrad course that provides a hands-on experience to learn different research methods relevant to conducting user needs assessment and usability studies on existing technology-related products and services.

Information Technology University (ITU)

Sept. 2014- August 2019

Teaching Fellow (Lecturer)

- *Information and Communication Technologies for Development (ICTD)*: A 3-credit graduate course that provides hands-on experience to learn the design cycle while designing technological solutions for local problems.
- *Introduction to Computer Science*: A 3-credit undergrad course that provides an introduction to different streams of computer science to freshmen.
- *Data Structures*: A 3-credit undergrad course that provides hands-on experience to explore different types of data Structures along with their needs and complexities.
- *Design and Development Lab*: A 3-credit graduate course that provides hands-on experience to learn the design cycle while designing technological solutions to local problems.

INVITED TALKS

Stanford University Research Presentation: "Decoding Platform Responses to Image-Based Abuse"	Sept. 2024
Gender-Based Violence Research Incubators Panel: "Tech-Facilitated Gender-Based Violence"	Sept. 2024
SOUPS Lightning Talk: "Exploring the Impact of Non-Consensual Image Disclosure Abuse"	Aug. 2024
CSCW Panelist: "Ethical Pluralism Workshop"	Oct. 2023
Stanford University Research Presentation: "Online Harassment in a Global Context"	Sept. 2023
Panel discussion at School for Environment & Sustainability: "Preparing for International Fieldwork"	March 2023
Cornell Tech Guest Speaker: "Gender Equity in Technologies"	Sept. 2021
Course Guest Speaker: "Social Media Privacy Concerns of South Asian Women"	March 2021

ACADEMIC MENTORING

Supervised 10 masters' theses	Sept. 2016 - Apr. 2018
Supervised 15 undergraduate final year projects	Sept. 2016 - Apr. 2018

PROFESSIONAL SERVICES

Student Coordinator, Michigan Interactive and Social Computing (MISC)	2023-2024
Reviewer for ACM CHI, DIS, CSC, HICSS, ICTD Journal	2024, 2023, 2022, 2018
Local Chair for the International conference, ICTD, Pakistan	2017
Design Facilitator for IDDS Design workshops in Pakistan	2016
Regional volunteer worker for Akhuwat Cloth Bank, Pakistan	2015 - 2018