Shravika Mittal

smittal87@gatech.edu | +1470-838-9822 | **in** ShravikaMittal | Website: mittalshravika.github.io | Google Scholar

RESEARCH INTERESTS

Responsible AI, Human-AI Interaction, Natural Language Processing; I evaluate generative AI–powered applications/models to identify and mitigate information risks (e.g., dissemination of stigma or biases) and interaction risks (e.g., behavioral and cognitive impacts). I adopt a variety of methods, such as large-scale observational analyses, experimental design (including randomized controlled trials and longitudinal field experiments), and user studies, to conduct my work. My objective is to contribute tools, frameworks, and policies to build safe and responsible online information ecosystems, particularly for underrepresented communities and in high-stakes domains such as healthcare.

EDUCATION

Georgia Institute of Technology   Atlanta, GA, USA
Ph.D. in Computer Science, School of Interactive Computing; CGPA: 4.00/4.00   *Aug 2023 – May 2028 (Expected)*
Georgia Institute of Technology   Atlanta, GA, USA
Master of Science in Computer Science; CGPA: 4.00/4.00   *Aug 2021 – May 2023*
Indraprastha Institute of Information Technology, Delhi   New Delhi, India
B.Tech. (Hons.) in Computer Science and Engineering; CGPA: 9.77/10   *Aug 2016 – Jul 2020*
- Received the Chancellor's gold medal for the best academic performance, the highest recognition for an undergraduate.

AWARDS AND ACHIEVEMENTS

- Georgia Tech 2025 Foley Scholar Award Finalist *(Highest award for student excellence in research contributions to computing)*   *2025*
- CSCW '24 paper on muting and gendered violence received the Diversity, Equity, and Inclusion recognition   *2024*
- Awarded the 2024 Quad Fellowship (USD 40,000) [Media Coverage: Georgia Tech (1), Georgia Tech (2)]   *2024*
- College of Computing Rising Star Doctoral Student Research Award at Georgia Tech   *2024*
- AAAI Travel Award to attend ICWSM 2024 (USD 1,300)   *2024*
- Gary Marsden SIGCHI Travel Award to attend CHI 2023 (USD 2,500)   *2023*
- Finalist for the Adobe Research Women-in-Technology Scholarship   *2022*
- Chancellor's Gold Medal for the best academic performance in undergraduate   *2020*
- Dean's letter of recognition for undergraduate thesis   *2020*
- Invited to the Republic Reception at the Lt. Governor's residence   *2020*
- Dean's List for Academic Excellence   *2017, 2018, 2019*
- Won Google Women Techmakers Scholarship for APAC region   *2019*
- Dean's List for Innovation in Research and Development [Director's blog]   *2017*
- Rails Girls Summer of Code Scholar [Blog 1] [Blog 2]   *2017*

INTERNSHIPS AND WORK EXPERIENCE

- **Microsoft Research, Montréal**   *May 2025 – Aug 2025*
  Research Intern with FATE group | Advised by: Prof. Q. Vera Liao and Dr. Su Lin Blodgett
  Investigated the impact of generative AI, and its popular applications, on information-seeking behaviors and learning.

- **Georgia Institute of Technology, Atlanta, GA**   *Jan 2022 – present*
  Graduate Research Assistant | Advised by: Prof. Munmun De Choudhury
  Analyzing stigma within social, mass media and generative AI-powered system outputs surrounding critical issues such as mental health, interpersonal violence, and substance use disorders. Informing ways to create safe, responsible, and inclusive socio-technical systems via large-scale observational analyses, longitudinal experiments, and expert collaborations.

- **Adobe Research, San Jose, CA**   *May 2022 – Jul 2022*
  Research Scientist Intern | Advised by: Dr. Kanak Mahadik, Dr. Ryan Rossi, and Dr. Sungchul Kim
  Developed a GPU instance recommendation system for training deep learning workloads. Filed as a U.S. patent.

- **Adobe Inc., Noida, India**   *Aug 2020 – Aug 2021*
  Software Development Engineer (Full Time) | Adobe Illustrator on iPad Team
  Developed "Rulers and Guides" feature using C++ and iOS programming, which received positive feedback from customers during beta release. Solved 100+ critical bugs to improve stability of the application.

- **Adobe Inc., Noida, India**   *May 2019 – Jul 2019*
  Product Intern | Adobe Illustrator Team
  Collaborated with Adobe Research, San Francisco to build and ship a new feature for Illustrator using vector graphics and machine learning techniques.
- **IBM Research, New Delhi, India** [Media Coverage: HT News, Quartz] [GitHub]   *Jun 2018 – Dec 2018*
  Research Intern | Fairness in ML Team
  Built a human-in-the-loop system to detect gender bias in plots of books shortlisted for Man Booker's Prize.

PUBLICATIONS

- **Shravika Mittal**, Su Lin Blodgett, Q. Vera Liao. (2026). *Learning by Chatting? Investigating the Impact of Generative AI on Learning and Information-Seeking Behaviors.* Under review at ACM CHI Conference on Human Factors in Computing Systems.

- **Shravika Mittal**, Darshi Shah, Shin Won Do, Mai ElSherief, Tanushree Mitra, Munmun De Choudhury. (2025). *Exposure to Content Written by Large Language Models Can Reduce Stigma Around Opioid Use Disorder in Online Communities.* Under review at npj Artificial Intelligence. [Pre-print]

- Navreet Kaur, Hoda Ayad, Hayoung Jung, **Shravika Mittal**, Munmun De Choudhury, Tanushree Mitra. (2025). *Who's Asking? Simulating Role-Based Questions for Conversational AI Evaluation.* Under review.

- Hayoung Jung, **Shravika Mittal**, Ananya Aatreya, Navreet Kaur, Munmun De Choudhury, Tanushree Mitra. (2025). *MythTriage: Scalable Detection of Opioid Use Disorder Myths on a Video-Sharing Platform.* EMNLP (Main). [Link]

- **Shravika Mittal**, Hayoung Jung, Mai ElSherief, Tanushree Mitra, Munmun De Choudhury. (2025). *Online Myths on Opioid Use Disorder: A Comparison of Reddit and Large Language Model.* In Proceedings of the International AAAI Conference on Web and Social Media. ICWSM 2025. [Link]

- **Shravika Mittal**, Jasmine C. Foriest, Benjamin D. Horne, Munmun De Choudhury. (2024). *News Media and Violence Against Women: Understanding Framings of Stigma.* In Proceedings of the International AAAI Conference on Web and Social Media. ICWSM 2024. [Link]

- **Shravika Mittal**, Mai ElSherief, Tanushree Mitra, Munmun De Choudhury. (2024). *Evaluating Large Language Models: Stigma and Opioid Use Disorder.* In First Workshop on Human-Centered Evaluation and Auditing of Language Models (HEAL) at ACM CHI Conference on Human Factors in Computing Systems (CHI). [Link]

- **Shravika Mittal**, Munmun De Choudhury. (2023). *Moral Framing of Mental Health Discourse and Its Relationship to Stigma: A Comparison of Social Media and News.* In ACM CHI Conference on Human Factors in Computing Systems. CHI 2023. [Link]

- Jasmine C. Foriest*, **Shravika Mittal***, Kirsten Bray*, Anh-Ton Tran*, Munmun De Choudhury. (2024). *A Cross Community Comparison of Muting in Conversations of Gendered Violence on Reddit.* In ACM Conference on Computer-Supported Cooperative Work and Social Computing. CSCW 2024. *Received the Diversity, Equity, and Inclusion recognition.* (*Equal Contribution) [Link]

- Jasmine C. Foriest, **Shravika Mittal**, Eugenia Kim, Natalie Lennon, Andrea Carmichael, Steven A. Sumner, Munmun De Choudhury. (2024). *News Media Framing of Suicide Circumstances and Gender: Mixed Methods Analysis.* JMIR Mental Health. [Link]

- Rachel Lowy, Khushi Magiawala, **Shravika Mittal**, Kaely Hall, Jessica Roberts, Jennifer Kim. (2024). *Research-Education Partnerships: A Co-Design Classroom for College Students with Intellectual and Developmental Disabilities.* In ACM Conference on Computer-Supported Cooperative Work and Social Computing. CSCW 2024. [Link]

- **Shravika Mittal**, Kanak Mahadik, Ryan Rossi, Sungchul Kim, Handong Zhao. (2024). *GPURank: A Cloud GPU Instance Recommendation System.* In IEEE International Conference on Big Data; Industry and Government Program.

- Subhabrata Dutta, **Shravika Mittal**, Dipankar Das, Soumen Chakrabarti, Tanmoy Chakraborty. (2022). *Incomplete Gamma Integrals for Deep Cascade Prediction using Content, Network, and Exogenous Signals.* In IEEE Transactions on Knowledge and Data Engineering. [Link]

- **Shravika Mittal**, Tanmoy Chakraborty, Siddharth Pal. (2022). *Dynamics of node influence in network growth models.* In Physica A: Statistical Mechanics and its Applications. [Link]

- **Shravika Mittal**, Debarka Sengupta, Tanmoy Chakraborty. (2021). *Hide and Seek: Outwitting Community Detection Algorithms.* In IEEE Transactions on Computational Social Systems. [Link]

- Brihi Joshi*, **Shravika Mittal***, Aditya Chetan*. (2020). *Did You "Read" the Next Episode? Using Textual Cues for Predicting Podcast Popularity.* In First Workshop on NLP for Music and Audio (NLP4MusA) at International Society for Music Information Retrieval Conference. (*Equal Contribution) [Link]

- Nishtha Madaan, Sameep Mehta, **Shravika Mittal**, Ashima Suvarna. (2019). *Judging a Book by its Description: Analyzing Gender Stereotypes in the Man Bookers Prize Winning Fiction.* [Pre-print]

PATENTS

- Kanak Mahadik, Sungchul Kim, Ryan Rossi, Handong Zhao, **Shravika Mittal**. Instance Recommendations for Machine Learning Workloads. US Patent No. 2025/0037006 (Adobe Inc.) [Link]

SERVICE AND LEADERSHIP

- **Reviewer:** CHI (2024: *Special Recognitions for Outstanding Reviews*, 2025: *Special Recognitions for Outstanding Reviews*), CSCW (2024, 2025), ICWSM (2025), IMWUT (2025), HEAL@CHI Workshop (2025)

- **Core Organizer:** Southeast CHI '24 Regional Meetup, HCI Southeast Regional Meetup

- **Student Volunteer:** EECS Rising Stars 2023 (Academic Career Workshop), ICWSM 2024

- **Mentor:** Hayoung Jung (MS CSE at University of Washington), Nimra Ishfaq (MS Information Science at UT Austin), Jamie Do (MS Analytics at Georgia Tech), Darshi Shah (MS HCI at Georgia Tech), Oscar Zhang (CS undergraduate at Georgia Tech)

- **CSE632: Semantic Web, IIIT-Delhi** _Jan 2020 – May 2020_
  Teaching Assistant to 110 students | Graduate level course | Prepared quizzes and assignments.

- **ECO331: Foundations of Finance, IIIT-Delhi** _Aug 2019 – Dec 2019_
  Teaching Assistant to 100 students | Conducted weekly office hours, quizzes, and tutorials.

- **MTH303: Graph Theory, IIIT-Delhi** _Jan 2019 – Apr 2019_
  Teaching Assistant to 104 students | Conducted 11+ tutorials and 5+ doubt sessions.

- **Coach, Rails Girls Summer of Code** _Jul 2018 – Sep 2018_
  Mentored Team Delsquared for the 3-month program | Worked with the open source organization, Tessel.

- **Community Work Volunteer, UDAAN** [GitHub] _May 2017_
  Taught basics of Computer Science to 15 students with autism.
  Developed an Android App, FUEL (Fun, Education, and Learn), that won best in code sprint by Google.

- **Founding Member** and **Outreach Director** for Women Who Code Delhi _Aug 2016 – Aug 2021_

TALKS DELIVERED

- Student panel, organized by the Graduate Student Association at Georgia Tech, to navigate graduate studies _2025_
- Workshop on Reclaiming the Narrative at ICWSM 2024 _2024_
- Junior-Senior interaction with students of CSE branch at IIIT-Delhi _2020_
- Introductory session on Rails Girls Summer of Code | Women in Tech, IIIT-Delhi _2019_
- Tutorial on Open CV | Women Who Code, Delhi [Slides] _2017_
- Tutorial on Tessel | LinuxChix, India [Twitter] _2017_

EXTRACURRICULAR

Member, W@CC | Club for Women at College of Computing, Georgia Tech _2021_
Member, Women in Tech | Club initiated by past WTM scholars at IIIT-Delhi _2018_
Member, Byld | IIIT-Delhi's Software Development Club _2017_