

# Shravika Mittal

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## RESEARCH INTERESTS

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Responsible AI, Computational Social Science, Natural Language Processing; developing techniques, processes and policies to better inform the creation of safe and inclusive socio-technical systems (e.g., online platforms and Generative AI-powered systems) for high-stakes contexts.

## EDUCATION

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**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.

## INTERNSHIPS AND WORK EXPERIENCE

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- Georgia Institute of Technology, Atlanta, GA** Jan 2022 – present  
*Graduate Research Assistant | Advised by: [Dr. Munmun De Choudhury](#)*  
Analyzing stigma within social, mass media and AI-powered systems surrounding critical societal issues such as mental health, interpersonal violence, and substance use disorders. Informing ways to create safe, responsible, and inclusive social systems via large-scale observational analysis, longitudinal experiments, mixed-methods, and user studies.
- 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

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- Shravika Mittal**, Mai ElSherief, Tanushree Mitra, Munmun De Choudhury. (2025). *Understanding the Impact of Consuming Human- and LLM-generated Content on Opioid Use Disorder*. In preparation.
- 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 Booker Prize Winning Fiction*. [[Pre-print](#)]

## AWARDS AND ACHIEVEMENTS

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- 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
- One of the top 30 finalists for 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

## SERVICE AND LEADERSHIP

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- **Reviewer:** CHI (2024: Special Recognitions for Outstanding Reviews, 2025), CSCW (2024, 2025), ICWSM (2025)
- **Core Organizer:** Southeast CHI '24 Regional [Meetup](#), Southeast CSCW '24 Regional Meetup
- **Student Volunteer:** EECS Rising Stars 2023 (Academic Career [Workshop](#)), ICWSM 2024
- **Mentor:** 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

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- 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

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- 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*