

# Mohit Singhal

682-552-4545 | [m.singhal@northeastern.edu](mailto:m.singhal@northeastern.edu) | <https://msinghal10.github.io/> | <https://scholar.google.com/citations?user=8MNR5Y8AAAAJ&hl=en>

## RESEARCH INTERESTS

---

Security & Privacy, Content Moderation, Data Mining, Fairness and Bias of AI systems, Computational Social Sciences

## EDUCATION

---

### The University of Texas at Arlington

*Ph.D. in Computer Science*

*Advisor: Dr. Shirin Nilizadeh*

Arlington, TX

*Aug. 2019 – May 2024*

### The University of Texas at Arlington

*M.S. in Computer Science*

*Advisor: David Levine*

Arlington, TX

*Aug. 2017 – May 2019*

### Jaypee University of Information Technology

*B.Tech in Computer Science & Engineering*

Solan, India

*Aug. 2013 – May 2017*

## APPOINTMENTS

---

### Assistant Teaching Professor

*Northeastern University*

Fall 2024 – present

*Boston, MA*

### Affiliate Faculty at Northeastern Ethics Institute

*Northeastern University*

Fall 2024 – present

*Boston, MA*

### Instructor

*The University of Texas at Arlington*

Fall 2021 & 2023, Spring 2023 & 2024

*Arlington, TX*

### STEM Graduate Research Assistant

*The University of Texas at Arlington*

Spring 2022, & Summer 2023

*Arlington, TX*

### STEM Graduate Teaching Assistant

*The University of Texas at Arlington*

Fall 2018 – Spring 2024

*Arlington, TX*

### Summer Research Intern

*Indian Institute of Technology*

Summer 2016

*Roorkee, India*

### Summer Research Intern

*The University of Nebraska at Omaha*

Summer 2015

*Omaha, NE*

## THESIS

---

- *Ph.D. Thesis*: Content Moderation on Social Media: Social and Computational Standards and Implications
- *Masters Thesis*: Analysis and Categorization of Drive-By Download Malware Using Sandboxing and Yara Ruleset

## PUBLICATIONS

---

- **Singhal, M.**, Pacheco, J., Khorzooghi, S. M. S. M., Debi, T., Asudeh, A., Das, G., & Nilizadeh, S. (2025). Auditing Yelp's Business Ranking and Review Recommendation Through the Lens of Fairness. arXiv preprint arXiv:2308.02129. To appear in ICWSM 2025
- Vafa, E. P.\*, **Singhal, M.\***, Thota, P., & Roy, S. S. (2024, November). Learning from Censored Experiences: Social Media Discussions around Censorship Circumvention Technologies. In 2025 IEEE Symposium on Security and Privacy (SP) (pp. 62-62). IEEE Computer Society. (\* Joint Co-First Authors)
- **Singhal, M.**, Ling, C., Paudel, P., Thota, P., Kumarswamy, N., Stringhini, G., & Nilizadeh, S. (2023, July). SoK: Content moderation in social media, from guidelines to enforcement, and research to practice. In 2023 IEEE 8th European Symposium on Security and Privacy (EuroS&P) (pp. 868-895). IEEE.

- **Singhal, M.**, Kumarswamy, N., Kinhekar, S., & Nilizadeh, S. (2023, June). Cybersecurity Misinformation Detection on Social Media: Case Studies on Phishing Reports and Zoom’s Threat. In Proceedings of the International AAAI Conference on Web and Social Media (Vol. 17, pp. 796-807).
- **Singhal, M.**, Kumarswamy, N., Kinhekar, S., & Nilizadeh, S. (2021). Poster: Detecting Misinformation about Zoom’s Security and Privacy Threats. In (NDSS 2022). **Received Best Technical Poster Award**
- **Singhal, M.**, & Levine, D. (2019, October). Analysis and categorization of drive-by download malware. In 2019 4th International Conference on Computing, Communications and Security (ICCCS) (pp. 1-4). IEEE.

## BROADER IMPACT

---

- Our paper SoK: Content Moderation in Social Media, from Guidelines to Enforcement, and Research to Practice was cited in *amicus curiae* brief submitted in **The Supreme Court** case *Moody v. NetChoice, LLC*.
- Our paper SoK: Content Moderation in Social Media, from Guidelines to Enforcement, and Research to Practice was cited in *amicus curiae* brief submitted in **The Supreme Court** case *NetChoice, LLC v. Paxton*.
- Our paper SoK: Content Moderation in Social Media, from Guidelines to Enforcement, and Research to Practice was cited in the official report submitted to *The Committee on Civil Liberties, Justice and Home Affairs* in **The European Union**.
- Our paper SoK: Content Moderation in Social Media, from Guidelines to Enforcement, and Research to Practice was cited in *amicus curiae* brief submitted in **The Supreme Court** case *Gonzalez v. Google LLC*.

## WORKING PAPERS

---

- Khorzooghi, S. M. S. M., **Singhal, M.**, Asudeh, A., Das, G., & Nilizadeh, S. (2024, November). FairDeFace: Evaluating the Fairness and Adversarial Robustness of Face Obfuscation Methods. [Submitting to IEEE S&P 2025]
- Kumarswamy, N.\*, **Singhal, M.\***, & Nilizadeh, S. (2024, October). Impact of Stricter Content Moderation on Parler’s User Discourse. [Submitted to WWW 2025] (\* Joint Co-First Authors)
- Aleksandric, A., **Singhal, M.**, Groggel, A., & Nilizadeh, S. (2022). Understanding the Bystander Effect on Toxic Twitter Conversations. arXiv preprint arXiv:2211.10764.
- Salehabadi, N., Groggel, A., **Singhal, M.**, Roy, S. S., & Nilizadeh, S. (2022). User Engagement and the Toxicity of Tweets. arXiv preprint arXiv:2211.03856.

## AWARDS

---

- Awarded the People’s Choice Award for my Ph.D. lightning talk on *SoK: Content Moderation in Social Media, from Guidelines to Enforcement, and Research to Practice* at the 50th Anniversary function of The Computer Science and Engineering Department held at The University of Texas at Arlington, 2023.
- Recipient of the Student Travel grant for Euro S&P 2023.
- Awarded the best Ph.D. lightning talk runner-up award for the research lightning talk on *Detecting Misinformation about Zoom’s Security and Privacy Threats* at SCRF conference held at The University of Texas at Arlington, 2023.
- Awarded the best project presentation & demo runner-up award for poster *Content Moderation in Social Media, from Guidelines to Enforcement, and Research to Practice* at SCRF conference held at The University of Texas at Arlington, 2023.
- Awarded *The Outstanding TA award* by The Department of Computer Science & Engineering at The University of Texas at Arlington, 2022.
- Awarded the best technical poster for *Detecting Misinformation about Zoom’s Security and Privacy Threats* at NDSS conference, 2022.
- Awarded the best technical poster for *Detecting Misinformation about Zoom’s Security and Privacy Threats* at SCRF conference held at The University of Texas at Arlington, 2022.
- Recipient of the Student Travel grant for USENIX Security 2021.
- Awarded the best poster at IEEE MetroCon Conference, 2019.
- Awarded *The Computer Science Scholarship* by The Department of Computer Science & Engineering at The University of Texas at Arlington, 2019.

## PROFESSIONAL SERVICE

---

- Judge for Ethics Bowl 2024 held at Northeastern University.=
- Reviewer for Transactions on the Web, Transactions on Dependable and Secure Computing, and Journal of Cybersecurity
- Reviewer for WWW 2025, ICWSM 2025, CSCW 2025, and CHI 2025
- Lifelong member of the UTA Texas Gamma Chapter of Upsilon Pi Epsilon.
- Session Chair for The 17th Workshop on Cybersecurity Experimentation and Test Workshop (CSET 2024).
- Program committee member for The 16th & 17th Workshop on Cybersecurity Experimentation and Test Workshop (CSET 2023, 2024).
- Served as the Event Facilitator for OurCS@DFW & SCRF 2023 at The University of Texas at Arlington
- Reviewer for Humanities & Social Sciences Communications Journal
- External reviewer for ACM CCS 2024. DIMVA 2024, ICWSM 2024, Web4Good 2024, Transactions on Information Forensics & Security, PoPETs/PETS 2023, Euro S&P 2022, USENIX Security 2020 & 2021, RAID 2020, E-Crimes 2020

## TEACHING EXPERIENCE

---

- **Assitant Teaching Professor (Northeastern University):**  
DS 3000: Foundations of Data Science - Fall 2024 - 131 Students
- **Instructor (The University of Texas at Arlington):**  
Information Security I (CSE 4380) - Spring 2024 - 35 Students  
Information Security I (CSE 4380) - Fall 2023 - 20 Students  
Information Security I (CSE 4380) - Spring 2023 - 36 Students  
Information Security I (CSE 4380) - Fall 2021 - 27 Students
- **Graduate Teaching Assistant (The University of Texas at Arlington):**  
Information Security I (CSE 4380) - Spring 2024 - 35 Students  
Information Security I (CSE 4380) - Fall 2023 - 20 Students  
Information Security I (CSE 4380) - Spring 2023 - 36 Students  
Information Security I (CSE 4380/5380) - Fall 2022 - 36 Students  
Programming Language Concepts (CSE 3302/5307) - Summer 2022 - 70 Students  
Database Systems (CSE 5330) - Spring 2021 - 44 Students  
Information Security I (CSE 4380) - Fall 2020 - 36 Students  
Discrete Structures (CSE 2315) - Summer 2020 - 27 Students  
Secure Programming (CSE 4382/5382) - Spring 2020 - 45 Students  
Information Security I (CSE 4380) - Fall 2019 - 25 Students  
Information Security I (CSE 4380/5380) - Spring 2019 - 38 Students  
Information Security I (CSE 4380) - Fall 2018 - 39 Students

## MENTORSHIP

---

### Northeastern University

- Mentoring Aadarsh Gaikwad (Fall 2024 – Present) [Masters Student]
- Mentoring Niraj Nadarasa (Fall 2024 – Present) [Bachelor Student]
- Mentoring Prerna Chander, Sadasivam Natanakumar, & Nidhi Mankala (Fall 2024 – Present) [Masters Students]

### The University of Texas at Arlington

- Mentored Javier Pacheco (Fall 2022 – Fall 2023) [Bachelor Student]
- Mentored Keren Valdez (Fall 2022 – Fall 2023) [Bachelor Student]
- Mentored Katia Lopez (Spring 2022) [Bachelor Student]
- Mentored Micheal Brady (Fall 2021) [Bachelor Student]
- Mentored Nihal Kumarswamy (Fall 2020 – Spring 2022) [Bachelor to Master Student]
- Mentored Shreyasi Kinhekar (Fall 2020 – Spring 2022) [Bachelor Student]