

# Agrima Seth

+1-424-902-1156 | [agrima@umich.edu](mailto:agrima@umich.edu) |

<https://agrimaseth.github.io/> | [Google Scholar](https://scholar.google.com/citations?user=agrimaseth) | [www.linkedin.com/in/agrimaseth](https://www.linkedin.com/in/agrimaseth)

## EDUCATION

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<b>University of Michigan, School of Information</b> <b>Ph.D. Candidate, Ann Arbor, MI.</b> <i>Advisor: Kentaro Toyama</i>	Aug. 2019 – Expected 2025 GPA:3.87/4
<b>University of Pennsylvania, School of Engineering and Applied Science</b> <b>Masters of Science in Engineering, Philadelphia, PA</b> <i>Major: Computer &amp; Information Science, Advisor: Lyle Ungar</i>	May 2018 GPA: 3.81/4
<b>University of Pune</b> <b>Bachelor of Engineering, Pune, India</b> <i>Major: Information Technology</i>	May 2016 GPA: 79/100

## WORK EXPERIENCE

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<b>Research Intern, Microsoft Research</b> <i>Bengaluru, India</i>	May - Dec 2023
<b>Research Intern, Snap Inc.</b> <i>Los Angeles, CA</i>	May - Dec 2022
<b>Graduate Student Research Assistant, University of Michigan</b> <i>Ann Arbor, MI</i>	Sept 2019-Aug 2020
<b>Graduate Student Instructor, University of Michigan</b> <i>Ann Arbor, MI</i>	2020-2023
<b>Machine Learning Engineer, Morgan Stanley</b> <i>New York, NY</i>	Aug 2018 –July 2019
<b>Machine Learning Intern, CERN</b> <i>European Organization for Nuclear Research, Geneva, Switzerland</i>	June – Aug 2017

## PUBLICATIONS

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### CONFERENCE FULL PAPERS

([ ]\* AUTHORS CONTRIBUTED EQUALLY)

- (Under Review) Hamna., Sudharsan, D., **Seth, A.**, Budhiraja, R., Khullar, D., Jain, V., Bali, K., ... & Segal, S. (2024). KAHANI: Culturally-Nuanced Visual Storytelling Pipeline for Non-Western Cultures. arXiv preprint arXiv:2410.19419.
- (In preparation FAccT'25) **Seth, A.**, Choudhary, M., Sitaram, S., Toyama, K., Vashistha, A., & Bali, K. How Deep Is Representational Bias in LLMs? The Cases of Caste and Religion.
- (In preparation CSCW'25) **Seth, A.**, Bos, M. W., & Cao, J. Cultural Values, Norm Conformity, and User Engagement with Ephemeral Social Media Content on Snapchat.
- Hada, R., Husain, S., Gumma, V., Diddee, H., Yadavalli, A., **Seth, A.**, ... & Bali, K. Akal Badi ya Bias: An Exploratory Study of Gender Bias in Hindi Language Technology. In The 2024 ACM Conference on Fairness, Accountability, and Transparency (FAccT '24) **Best Paper**
- **Seth, A.**, Ahuja, S., Bali, K., & Sitaram, S. (2024, May). DOSA: A Dataset of Social Artifacts from Different Indian Geographical Subcultures. In Proceedings of the 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation (pp. 5323-5337) (LREC-COLING 2024).
- [Hada, R., **Seth, A.**]\*, Diddee, H., & Bali, K. (2023, December). "Fifty Shades of Bias": Normative Ratings of Gender Bias in GPT Generated English Text. In Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing (pp. 1862-1876).
- [Jurgens, D., **Seth, A.**]\*, Sargent, J., Aghighi, A., & Geraci, M. (2023, July). Your spouse needs professional help: Determining the Contextual Appropriateness of Messages through Modeling Social Relationships. In The 61st Annual Meeting Of The Association For Computational Linguistics
- **Seth, A.**, Cao, J., Shi, X., Dotsch, R., Liu, Y., & Bos, M. W. (2023, April). Cultural Differences in Friendship Network Behaviors: A Snapchat Case Study. In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems (pp. 1-14).

- [Seth, A., De, S.]\*, Arya, A., Wilkinson, S., Singh, S., & Pal, J. (2022, June). Closed Ranks: The Discursive Value of Military Support for Indian Politicians on Social Media. In Proceedings of the 2022 International Conference on Information and Communication Technologies and Development (pp. 1-11).
- Seth, A., Nayak, S., Mothe, J., & Jadhay, S. (2017, April). News dissemination on Twitter and conventional news channels. In International Conference on Enterprise Information Systems (Vol. 2, pp. 43-52). SciTePress.

#### JOURNAL PAPERS

- Natraj, S., Bhide, M., Yap, N., Liu, M., Seth, A., Berman, J., & Glorioso, C. (2023). COVID-19 activity risk calculator as a gamified public health intervention tool. Scientific Reports, 13(1), 13056.
- Pol, A. A., Cerminara, G., Germain, C., Pierini, M., & Seth, A. (2019). Detector monitoring with artificial neural networks at the CMS experiment at the CERN Large Hadron Collider. Computing and Software for Big Science, 3, 1-13.

#### WORKSHOP PAPERS

- [Ananthasubramaniam, A., Chen, H., Yan, J., Alkiek, K., Pei, J., Seth, A., ...]\* & Jurgens, D. (2023, July). Exploring Linguistic Style Matching in Online Communities: The Role of Social Context and Conversation Dynamics. In Proceedings of the First Workshop on Social Influence in Conversations (SICon 2023) (pp. 64-74).

#### AWARDS

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- Google PhD Fellowship Recipient 2024
- [F+cube fellow 2024](#)
- Best paper award FAccT 2024.
- Rackham Travel Grant 2022,2023,2024;
- Grace Hopper Scholarship 2015
- [Honorable Mention \(Finalist\)](#) for Snapchat Research Fellowship 2022.
- Honored on [International Youth Day 2022](#), by [TeachAids](#) for efforts in debunking COVID-19 misinformation
- Ranked 2nd among 4789 students of Information Technology in all colleges of the University of Pune
- Awarded Tata Merit Scholarship and Academic Merit Scholarships for standing 1st in Undergraduate department (2012-2016)
- Gold Medal in Academics at Army Institute of Technology, Pune Information Technology Class of 2016.

#### TEACHING

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##### Graduate Student Instructor

*University of Michigan, School of Information Ann Arbor, MI*

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|--|----------------------------------|
| • SI 106: Programs, Information, and People, Undergraduate Course      | Winter 2024                      |
| • SIADS 652: Network Analysis, Graduate Course                         | Spring 2021                      |
| • SI 485, SI 405: Information Analysis Project, Undergraduate Course   | Fall 2021, Winter 2021,2022,2023 |
| • SI 301 Models of Social Information Processing, Undergraduate Course | Fall 2020                        |

#### SERVICE

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- [ACL](#), [TIST](#) Rolling Review
- Reviewer EMNLP 2024, CSCW 2024, CHI 2024, COLING 2025
- Program Committee for Workshop on Cross-Cultural Considerations in NLP(C3NLP) 2024
- Reviewer [Social Media Influencer](#) conference, 2022
- Student volunteer [ACL](#) conference 2023, [Social Media Influencer](#) conference, 2022, Grace Hopper Conference 2017
- UMSI Doctoral Executive Committee member 2022-2023

## VOLUNTEERING AND MENTORING

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- Worked with [SaveScience](#) to create COVID-19 Activity Risk Calculator June 2021 - May 2022
- Worked with [TeachAids Foundation](#) to create a dashboard of debunked misinformation June 2021 - May 2022
- Led Debunking Misinformation efforts at [PathCheck Foundation](#) June 2021 - Oct 2021
- Peer Mentored a Ph.D. student Fall 2021
- Mentored a Master's student Winter 2020
- Led Makerspace workshops and was a member of **'Girls Who Code'** at Morgan Stanley. Nov 2018 - July 2019
- **Mentored** a student at the [Learn,IT Girl!](#) program to create a Music recommendation System.

## TECHNICAL PROFICIENCIES

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**Languages:** Python, R, C++, Java, LISP, JavaScript, Java Servlets, PHP, node.js, Matlab, C

**Operating Systems:** Windows, Unix, Linux

**Libraries and Packages:** NLTK, scikit-learn, Numpy, Scipy, Pandas, OpenGL, OpenCV, XML, JSON, Protobuf, Keras, Tensorflow, PyTorch, Spacy, Transformers

**Databases & Tools:** BigQuery, Git, NoSQL, MySQL, Cassandra, DynamoDb, Weka, Tableau

**Web services:** AWS

**Crowdsourcing:** Mechanical Turk, Prolific, Qualtrics