

MOHIT CHANDRA

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RESEARCH SUMMARY

I'm a 1st-year CS Ph.D. student interested in the area of intersection of NLP for Social Good and Social Computing. My current research focuses on Misinformation and Harmful speech narrative and their impact on minority/marginalized communities.

EDUCATION

Ph.D., Computer Science (*Advisor: Prof. Munmun De Choudhury*) 2022 - 2027 (Expected)
Georgia Institute of Technology, Atlanta (GA), USA **Cumulative GPA: 4.0/4.0**

B.Tech (Honours) & M.S, Computer Science and Engineering 2015 - 2021
International Institute of Information Technology, Hyderabad **Cumulative GPA: 9.04/10**

PUBLICATIONS

What Makes Some Workplaces More Favorable to Remote Work? Unpacking Employee Experiences During COVID-19 Via Glassdoor
Accepted at 15th ACM Web Science Conference (WebSci '23)

Mohit Chandra, Munmun De Choudhury

“A Virus Has No Religion”: Analyzing Islamophobia on Twitter During the COVID-19 Outbreak (Link)

Accepted at 32nd ACM Conference on Hypertext and Social Media (HT '21)

Mohit Chandra, Manvith Reddy*, Shradha Sehgal*, Saurabh Gupta, Arun Balaji Buduru, Ponnurangam Kumaraguru*

“Subverting the Jewtocracy”: Online Antisemitism Detection Using Multimodal Deep Learning (Link)

Accepted at 13th ACM Web Science Conference (WebSci '21)

Mohit Chandra, Dheeraj Pailla, Himanshu Bhatia*, Aadil Mehdi Sanchawala, Manish Gupta, Manish Shrivastava, Ponnurangam Kumaraguru*

AbuseAnalyzer: Abuse Detection, Severity and Target Prediction for Gab Posts (Link)
Accepted at 28th International Conference on Computational Linguistics (COLING 2020)

Mohit Chandra, Ashwin Pathak, Eesha Dutta, Paryul Jain, Manish Gupta, Manish Shrivastava, Ponnurangam Kumaraguru

Exact Passive-Aggressive Algorithms for Ordinal Regression Using Interval Labels (Link)

Accepted at IEEE Transactions on Neural Networks and Learning Systems

Naresh Manwani, Mohit Chandra

EXPERIENCE

Research Assistant January 2022 - Present
SocWeb Lab (Georgia Institute of Technology) *Atlanta, GA, USA*

- Working as an RA under the supervision of Prof. Munmun De Choudhury. My current research project focuses on health-related misinformation narratives on social media platforms.
- Presently focusing on the impact of misinformation narrative related to COVID-19 on marginalized communities.

Research Assistant August 2022 - December 2022
NLP X Lab (Georgia Institute of Technology) *Atlanta, GA, USA*

- Working as an RA under the supervision of Prof. Wei Xu, focusing on text stylistics.
- Developed an extensive taxonomy covering over 90 styles for text writing. Created an initial version of a diverse English dataset annotated in accordance with the proposed taxonomy.

Software Engineer July 2020 - August 2022
Microsoft, IDC *Hyderabad, India*

- Worked as a Software Engineer (NLP/Data Science) at Microsoft IDC. Developed and shipped language models for Automated Speech Recognition Systems for Indic Languages (*Hindi, Bengali, Malayalam*).
- Developed and maintained the end-to-end pipeline for the tech segment of Bing.com. Developed a novel pipeline framework to ingest new QnA related to tech trivia.

Research Assistant December 2018 - December 2020
Precog Research Group (IIIT-Hyderabad) *Hyderabad, India*

- Worked as an RA under the supervision of Prof. Ponnuram Kumaraguru. The work focused on the topic of detection and analysis of hate speech on social media platforms. Specifically, worked on three publications that included works on general-purpose abuse detection, multimodal Antisemitism detection, and a large-scale quantitative study analyzing Islamophobia.

Teaching Assistant August 2017 - May 2020
IIIT Hyderabad *Hyderabad, India*

- Design and Analysis of Software Systems (Jan 2020 - May 2020; Aug 2017 - Nov 2017), Operating Systems (Aug 2019 - Dec 2019), Distributed Systems (Dec 2018 - May 2019), Statistical Methods in AI (Dec 2017 - Dec 2018).

SKILLS

C++, C, C#, Python, Machine Learning, Data Science, Keras, Pytorch, Java, Assembly, SQL, MATLAB, OpenCV, OpenGL, HTML/CSS, Latex, Javascript

ACHIEVEMENTS

- Received Dean's Merit List award for Academic Excellence for 3 consecutive years
- Received Dean's Research award for publishing a paper in a top-tier journal.

ACADEMIC SERVICES

- Served as a reviewer for 5th Workshop on NLP and CSS at EMNLP 2022.
- Served as a reviewer for AAAI Conference on Web & Social Media (ICWSM) 2021.