

Aseem Srivastava

PhD Scholar at LCS2 Lab, IIIT Delhi, India

🔗 as3eem.github.io @ aseems@iiitd.ac.in
in linkedin.com/in/as3eem 📄 github.com/as3eem
📍 Research Block, IIIT Delhi, India 📞 +91 8736977760



A fourth-year PhD student at IIIT Delhi, currently under the guidance of Dr. Md. Shad Akhtar and Dr. Tanmoy Chakraborty at LCS2 Lab, India. My research pursuits revolve around NLP/Deep Learning for Dialogue Systems, with a specialized focus on improving virtual mental health assistants. I specialize in applying deep learning methods for NLP and encourage open sourcing with production-ready research.

🎓 EDUCATION

INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY (IIIT DELHI), DELHI PhD in Computer Science and Engineering (CSE) Thesis : Building Blocks of Dialogue System for Effective Virtual Mental Health Assistants Supervisor : Dr. Md. Shad Akhtar & Dr. Tanmoy Chakraborty	2020 - PRESENT
KAMLA NEHRU INSTITUTE OF TECHNOLOGY (KNIT), SULTANPUR B.Tech in Computer Science and Engineering (CSE) Thesis : Amazon Review Analysis to Gauge User Sentiments	2016 - 2020

📖 PUBLICATIONS

The Web Conf 2023	Response-act Guided Reinforced Dialogue Generation for Mental Health Counseling <i>Aseem Srivastava, Ishan Pandey, Md. Shad Akhtar, Tanmoy Chakraborty</i> Transformer Reinforcement Learning GenerativeAI Controlled Generation
KDD 2022	Counseling Summarization using Mental Health Knowledge Guided Utterance Filtering <i>Aseem Srivastava, Tharun Suresh, Grin Lord, Md. Shad Akhtar, Tanmoy Chakraborty</i> LLM Knowledge Infusion Controlled Generation
ICWSM 2022	A Computational Approach to Understand Mental Health from Reddit : Knowledge-aware Multitask Learning Framework <i>Usha Lokala, Aseem Srivastava, Triyasha Ghosh Dastidar, Tanmoy Chakraborty, Md Shad Akhtar, Maryam Panahiazar, Amit Sheth</i> Transformers Reddit Mental Health Knowledge Infusion
WSDM 2022	Speaker and Time-aware Joint Contextual Learning for Dialogue-act Classification in Counselling Conversations <i>Ganeshan Malhotra, Abdul Waheed, Aseem Srivastava, Md. Shad Akhtar, Tanmoy Chakraborty</i> Transformers Joint Learning
Under Review	<ul style="list-style-type: none">➤ Critical Behavioral Traits Foster Peer Engagement in Online Mental Health Communities➤ Sentiment-guided Commonsense-aware Response Generation for Mental Health Counseling

📋 SKILLS

Interests	NLP - Dialogue Systems, Deep Learning, Machine Learning, Human/User Behavior
Technical	Python, PyTorch, Langchain, Tensorflow, Git, AWS, Flask/Gunicorn
Web & Android	NodeJS, Flutter, MySQL, NoSQL

👜 EXPERIENCE

DATA SCIENCE INTERN Analytics Vidhya Gurgaon, India Spearheaded the development of machine learning and deep learning models for an in-house learning portal. In addition, I guided a team in enhancing their comprehension of Deep Neural Network concepts, facilitating more effective innovation.	JULY 2019 - AUGUST 2019
---	-------------------------

Machine Learning Deep Learning Text Analytics



POSITION OF RESPONSIBILITY

- 2023 Leading an open-source community of 500+ like-minded enthusiasts to encourage awareness and knowledge of Deep Learning for NLP.
- 2022 Served as Web Chair at International Conference on Natural Language Processing (ICON) 2022, India.
- 2022 Served as Web Chair at CONSTRAINT Workshop (co-located w/ ACL 2022).
- 2021 Served as a volunteer at notable conferences, including KDD, ACL, AAAI, COLING, and WSDM.
- 2021 Served as Web Chair at ACSS Workshop 2021.
- 2019 Served as an organizing committee member of the International Conference on Advanced Computing and Software Engineering (ICACSE 2019).



ACHIEVEMENTS

- 2023 Received Google Research Grant to present our WWW '23 paper in Austin, USA.
- 2023 Got selected and attended Google Research Week 2023 in Bengaluru, India.
- 2022 Received ACM India Grant to present our KDD '22 paper in Washington DC, USA.
- 2019 Placed in the top 9% (N=8000) of the leaderboard in IIT-M Alumni Association Hackearth's machine learning challenge with an accuracy of 99.63%.
- 2017 Runners up in Facebook's Digital Hackathon for creating an innovative web platform and won INR 40,000.
- 2000 Placed in top 10% of the leaderboard in ZS ML-Hackathon on InterviewBit with an accuracy of 89.99%.



REFERENCES

Dr. Md. Shad Akhtar

Assistant Professor, IIT DELHI

(shad.akhtar@iiitd.ac.in)

Dr. Tanmoy Chakraborty

Associate Professor, IIT DELHI

(chak.tanmoy.iit@gmail.com)