

Zuhair Hasan

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EDUCATION

Indian Institute of Information Technology (IIIT) Dharwad Dharwad, India
Bachelor of Technology (B.Tech) in Computer Science and Engineering 2020 – 2025

PUBLICATIONS

1. **Redefining Experts: Interpretable Decomposition of Language Models for Toxicity Mitigation**

Zuhair Hasan Shaik, Abdullah Mazhar, Aseem Srivastava, Md Shad Akhtar
NeurIPS 2025

2. **M-HELP: Using Social Media Data to Detect Mental Health Help-Seeking Signals**

MSVPJ Sathvik, Zuhair Hasan Shaik*, Vivek Gupta*
EMNLP 2025 (Findings)

3. **Figurative-cum-Commonsense Knowledge Infusion for Multimodal Mental Health Meme Classification**

Abdullah Mazhar, Zuhair Hasan Shaik, Aseem Srivastava, Polly Ruhnke, Lavanya Vaddavalli, Sri Keshav Katragadda, Shweta Yadav, Md Shad Akhtar
WWW 2025 (Oral)

4. **LaRA: Large Rank Adaptation for Speech and Text Cross-Modal Learning in Large Language Models**

Zuhair Hasan Shaik, Pradyoth Hegde, Prashanth Bannulmath, Deepak KT
EMNLP 2024 (Findings)

5. **FeedForward at SemEval-2024 Task 10: Trigger and sentext-height enriched emotion analysis in multi-party conversations**

Zuhair Hasan Shaik, D Prasanna, E Jahnavi, Rishi Thippireddy, Vamsi Madhav, Sunil Saumya, Shankar Biradar
SemEval 2024 (Workshop)

6. **IIITDWD-zk@ DravidianLangTech-2024: Leveraging the Power of Language Models for Hate Speech Detection in Telugu-English Code-Mixed Text**

Zuhair Hasan Shaik, Sai Kartheek Reddy Kasu, Sunil Saumya, Shankar Biradar
DravidianLangTech 2024 (Workshop)

7. **Trust Modeling in Counseling Conversations: A Benchmark Study**

Aseem Srivastava, Zuhair Hasan Shaik, Tanmoy Chakraborty, Md Shad Akhtar
Underreview

** denotes authors who contributed equally

EXPERIENCE

MBZUAI NLP

Research Engineer

Abu Dhabi, UAE
Aug 2025 – Present

- Working on Multimodality and VLM personalization for social impact under the guidance of Dr. Yova Kementchedjhieva

Microsoft Research India

Research Intern

Bengaluru, India
Jan 2025 – Jul 2025

- Developed a faster incident triaging system that generates troubleshooting guides automatically (Auto-TSG) using a multi-agent framework trained on an extensive Microsoft's incident data corpus
- Worked under the guidance of Minghua Ma, Senior Researcher at Microsoft Redmond, to create solutions saving significant manual triaging time across 20,000 teams

FLaMe Research Lab, IIIT Delhi

Research Intern

Delhi, India
Sep 2024 – Jan 2025

- Reduced LLM toxicity using interpretable SVD decomposition to identify and dampen toxicity-generating experts with minimal perplexity change and no retraining (**NeurIPS 2025**)
- Conducted benchmark study on trust behavior dynamics between therapists and patients in mental health therapy with extensive qualitative analysis (**under review**)

Laboratory for Computational Social Systems (LCS2)

Research Intern

Delhi, India
Sep 2024 – Jan 2025

- Developed M3H framework for dynamic social media analysis and mental health behavior detection in collaboration with the University of Illinois (**WWW 2025**)


Vocab.AI (Research Startup @ IIIT Dharwad)


NLP Intern

India
May 2023 – Oct 2024

- Led the project team that achieved Vocab.AI startup's inaugural revenue milestone
- Developed issue detection and customer sentiment analysis systems, including sentiment shift causality analysis, within agent-customer conversations using BERT-based models
- Implemented RAG system on company SOPs stored in vector database, leveraging top NLP models (llama-70b, zephyr, openchat) for adherence and streamlined information retrieval

REFERENCES

Dr. Yova Kementched-
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Dr. Md. Shad Akhtar
IIIT Delhi 

Dr. Sunil Saumya
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