

Aman Sinha

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Education

University of Lorraine - ICANS Strasbourg PhD in Natural Language Processing	Nancy, France
Thesis Topic: "Multi-sourced clinical models" Supervisors: Marianne Clausel, Mathieu Constant, and Xavier Coubez	10/2021 - 10/2025
IIT ISM Dhanbad Integrated Masters in Mathematics and Computing	Dhanbad, Jharkhand, India
Thesis topic: "Multimodal Emotion Recognition" Supervisors: Badam Singh Kushvah, and Ashutosh Modi	07/2015 - 05/2020

Selected Publications

- [1] A Sinha, T Mickus, et al "Simplicity isn't as simple as you think" *Actionable Interpretability WS@ICML*, 2025.
- [2] T Mickus, A Sinha and R Vazquez "Your Model is Overconfident, and Other Lies We Tell Ourselves" *ACL Main*, 2025. [\[Link\]](#)
- [3] A Sinha, T Mickus, et al "Domain-specific or Uncertainty-aware models: Does it really make a difference for biomedical text classification?" *BioNLP WS@ ACL*, 2024. [\[Link\]](#)
- [4] I Buhnla, A Sinha, and M Constant "Retrieve, Generate, Evaluate: A Case Study for Medical Paraphrases Generation with Small Language Models" *KnowledgeLM WS@ ACL*, 2024. [\[Link\]](#)
- [5] R Agarwal, A Sinha, et al "Modelling Irregularly Sampled Time Series Without Imputation" *Preprint*, 2023. [\[Link\]](#)
- [6] A Sinha, CG Holgado et al "Catch me if you can! Capturing complex disease mentions in tweets" *SMM4H WS@ COLING*, 2022. [\[Link\]](#)
- [7] A Jena, A Sinha, and R Agarwal "C-Net: Contextual network for Sarcasm Detection" *FigLang WS@ ACL*, 2020. [\[Link\]](#)

Professional Experience

Visiting Researcher Helsinki-NLP Lab, University of Helsinki	Helsinki, Finland
Uncertainty paradigm for Medical domain Uncertainty Quantification, Hallucination in LLMs, Interpretability in LMs	07/2024 - 10/2024
Research Engineer ATILF Lab, University of Lorraine	Nancy, France
Word Sense disambiguation Lexical Resources, Graph neural networks, Deep Learning	11/2020 - 06/2021
Research Engineer IECL Lab, University of Lorraine	Nancy, France
Information retrieval in scientific citation networks Graph neural networks, Natural Language Processing	02/2020 - 10/2020
Research Intern IBM Research Lab	Bangalore, India
Multi-task learning under heterogeneous supervision for semantic parsing Semantic Parsing, NLP	05/2019 - 11/2019
Research Intern LTRC Lab, IIT Hyderabad	Hyderabad, India
Evaluation of Machine Translation Systems for Sarcasm Transfer Machine Translation, Sarcasm Detection, NLP	05/2018 - 07/2018

Awards and Honors

Feb. 2024	Received Dream PhD Mobility Funding scholarship (5500 Euros)
Nov. 2020	Awarded Diversity & Inclusion Award for attending ACL 2020 conference.
Nov. 2019	Awarded Student Travel Grant for the FIRE 2019 conference.
Jun. 2015	Qualified JEE Advanced : 1801th out of 124741 students.

Scientific Outreach

WS Co-organizer	CHOMPS-2025, MLP-LLM 2025, Mu-SHROOM 2025, CafeTAL meetups
Conf. Volunteer	ACL 2025, NAACL 2021, AISTATS 2021.
Peer Reviewer	ACL-SRW25, SemEval25, ARR Oct24, COLING24, Neurips Interpretable WS24, ICANN21, WNUT20.
Teaching	Probability and Statistics; Machine Learning at IDMC, University of Lorraine.

Skills

Programming	Python, C++ Unix, Latex, GitHub
ML Frameworks	PyTorch, Keras, TensorFlow, NLTK
Research Skills	Natural Language Processing, Machine Learning, Deep Learning, Artificial Intelligence, Statistical Analysis
Languages	English (Professional), French (A2), Hindi (Native)

References

- Marianne Clausel | Professor at University of Lorraine, Nancy, France | marianne.clausel@univ-lorraine.fr