Suman Adhya

PhD Scholar at SMCS in IACS

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Short Bio

A fourth-year PhD student at SMCS in IACS, under the supervision of Dr. Debarshi Kumar Sanyal. I am currently working in the field of NLP, specifically on topic models that are used to extract topics from document corpora in an unsupervised manner.

Education

Oct 2020 Sep 2025*	**Indian Association for the Cultivation of Science** Ph.D. from the School of Mathematical & Computational Sciences (SMCS)	**Kolkata, India**
Aug 2018 Jul 2020	**Indian Association for the Cultivation of Science** M.Sc. in Mathematics & Computing from SMCS	**Kolkata, India**
2015 2018	**Serampore College, University of Calcutta** B.Sc.(Hons.) in Mathematics	**Kolkata, India**

Publications   C=Conference, W=Workshop

[C] **Do Neural Topic Models Really Need Dropout? Analysis of the Effect of Dropout in Topic Modeling** []
Suman Adhya, Avishek Lahiri, and Debarshi Kumar Sanyal
17th European Chapter of the Association for Computational Linguistics, Dubrovnik, Croatia   **[EACL'23]**

[C] **Improving Neural Topic Models with Wasserstein Knowledge Distillation** []
Suman Adhya and Debarshi Kumar Sanyal
45th European Conference on Information Retrieval, Dublin, Ireland   **[ECIR'23]**

[C] **Improving Contextualized Topic Models with Negative Sampling** []
Suman Adhya, Avishek Lahiri, Debarshi Kumar Sanyal, and Partha Pratim Das
19th International Conference on Natural Language Processing, New Delhi, India   **[ICON'22]**

[W] **What Does the Indian Parliament Discuss? An Exploratory Analysis of the Question Hour in the Lok Sabha** []
Suman Adhya and Debarshi Kumar Sanyal
1st Workshop on Natural Language Processing for Political Sciences, LREC, Marseille, France   **[PoliticalNLP @ LREC'22]**

Presentations

⟩ EACL 2023, Poster Presentation	May 2023 (Dubrovnik, Croatia)
⟩ ECIR 2023, Short Paper Presentation	March 2023 (Virtual)
⟩ ICON 2022, Full Paper Presentation	December 2022 (IIIT-Delhi, India)
⟩ PoliticalNLP @ LREC 2022, Poster Presentation	June 2022 (Virtual)

Honours and Awards

Travel Grant for PIC, 2024 [] : Awarded for attending flagship research networking event of ACM India held in the Infosys Mysore campus, India.

Travel Grant for CODS-COMAD, 2024 [] : Awarded for attending the 7th Joint International Conference on Data Sciences and Management of Data to be held in IIIT Bangalore, India.

Microsoft Research Travel Grant, 2023 [] : Awarded for presenting our paper EACL'23 held in Dubrovnik, Croatia.

Innovation in Science Pursuit for Inspired Research (INSPIRE), DST, 2015 [] : Awarded for pursuing higher education in science.

☰ Teaching Assistant

Laboratory - Numerical methods (PHS 4211), IACS Kolkata   January - June, 2021
> Responsibilities included setting and evaluating lab assignments.

👥 Position of Responsibility

Volunteer Coordinator	EACL'23 [🌐]
Review Committee member	ACL'23 [🌐], EMNLP'22 [🌐]
Program Committee member	EMNLP'23 Industry Track[🌐], PoliticalNLP'22 [🌐]

66 References

> Dr. Debarshi Kumar Sanyal .... *Assistant Professor at IACS, India* [🌐]
> Dr. Partha Basuchowdhuri .... *Associate Professor at IACS, India* [🌐]