Suman Adhya

PhD Scholar at SMCS in IACS

🔗 adhyasuman.github.io   G adhyasuman30@gmail.com

in linkedin.com/in/adhyasuman   ⌂ AdhyaSuman   🎓 Google Scholar

📍 Jadavpur, Kolkata-700032, West Bengal, India

ℹ Short Bio

A fourth-year Ph.D. 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] GINopic: Topic Modeling with Graph Isomorphism Network [%]
Suman Adhya and Debarshi Kumar Sanyal
North American Chapter of the Association for Computational Linguistics, Mexico City, Mexico   **[NAACL'24]**

[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

❭ PIC 2024, Poster Presentation 📄	Feb 2024 (Mysore, India)
❭ 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

ACM India-IARCS Travel Grant, 2024 [🌐] : Awarded for presenting our paper at NAACL'24 held in Mexico City, Mexico.

Travel Grant for Research Week with Google, 2024 [🌐] : Awarded for attending Research Week with Google, a three-day lineup of research lectures, panels, and discussions led by esteemed researchers.

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 at EACL'23 held in Dubrovnik, Croatia.

Travel Grant for EACL, 2023 [🌐] : Awarded for presenting our paper at 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

Introduction to Machine Learning [PHD 226/ COM 4203], IACS   January - June, 2024
> Responsibilities included setting and evaluating assignments.

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

👥 Academic Responsibility

Volunteer coordinator   EACL'23 ↗

Review committee member   ARR - April'24 ↗, ARR - February'24 ↗, ACL'23 ↗, EMNLP'22 ↗

Program committee member   PoliticalNLP'24 ↗, EMNLP'23 Industry Track↗, PoliticalNLP'22 ↗

🛟 Social Responsibility

Student representative at the anti-ragging cell in IACS

Research and technical assistant at Research Scholars' Association in IACS

System manager at Research Scholars' Association in IACS

💬 References

> ↗ Debarshi Kumar Sanyal .... *Assistant Professor @ IACS*
> ↗ Partha Pratim Das .... *Professor @ IIT-KGP and Visiting Professor in Dept. of CS and Director of CDSA @ Ashoka University*
> ↗ Partha Basuchowdhuri .... *Associate Professor @ IACS*