

Akavarapu, Venkata Satya Durga Sai Mahesh

PhD Candidate

Department of Computer Science and Engineering

Indian Institute of Technology Kanpur

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AREAS OF INTEREST

Computational linguistics, Historical linguistics

ACADEMIC DETAILS

Qualification	Institute	Year	GPA
PhD in Computer Science and Engineering	Indian Institute of Technology Kanpur	2024 (exp.)	9.6/10
B.Tech. in Computer Science and Engineering, second major in Physics	Indian Institute of Technology Kanpur	2019	9.3/10

TECHNICAL SKILLS

- **Platforms:-** Linux, MS Windows.
- **Languages:-** Python, C/C++, PyTorch, TensorFlow, Shell scripting etc.

PUBLICATIONS

- V.S.D.S.Mahesh Akavarapu and Arnab Bhattacharya. 2024. A Likelihood Ratio Test of Genetic Relationship among Languages. Accepted at *NAACL-2024 (Main)*. [pre-print](#)
- V.S.D.S.Mahesh Akavarapu and Arnab Bhattacharya. 2024. Automated Cognate Detection as a Supervised Link Prediction Task with Cognate Transformer. In *Proceedings of the 18th Conference of the European Chapter of the Association for Computational Linguistics (Volume 1: Long Papers)*, pages 965–975, St. Julian's, Malta. Association for Computational Linguistics. [link](#)
- V.S.D.S.Mahesh Akavarapu and Arnab Bhattacharya. 2023. Cognate Transformer for Automated Phonological Reconstruction and Cognate Reflex Prediction. In *Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing*, pages 6852–6862, Singapore. Association for Computational Linguistics. [link](#)
- V.S.D.S.Mahesh Akavarapu and Arnab Bhattacharya. 2023. Creation of a Digital Rig Vedic Index (Anukramani) for Computational Linguistic Tasks. In *Proceedings of the Computational Sanskrit & Digital Humanities: Selected papers presented at the 18th World Sanskrit Conference*, pages 89-96. Canberra, Australia (Online Mode). Association for Computational Linguistics. [link](#)

AWARDS/ACHIEVEMENTS

- Recipient of Prime Minister's Research Fellowship for years 2019-2024
- Received Academic Excellence award from IIT Kanpur for years 2015-2016

PERSONAL INTERESTS

- Sanskrit, Old Telugu, Old Tamil
- Ancient Indian Literature and Philosophies

PERSONAL INFORMATION

- **Date of Birth:-** October 27, 1996
- **Nationality:-** Indian
- **Current Address:-** KD-108, Department of Computer Science and Engineering, IIT Kanpur.
- **Permanent Address:-** D. No. 4-307/2, Beside Swatantra Weigh Bridge, Lalacheruvu, NH-16, Rajahmundry-6, Andhra Pradesh. PIN: 533106