

Saujas Vaduguru

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Education

- 2022–
present **Ph.D. in Language and Information Technologies**
Language Technologies Institute, School of Computer Science, Carnegie Mellon University
ADVISOR: Daniel Fried
- 2017–2022 **B.Tech. in Computer Science and M.S. (by Research) in Computational Linguistics**
International Institute of Information Technology (IIIT), Hyderabad
ADVISORS: Monojit Choudhury, Dipti Misra Sharma
THESIS: Program Synthesis for Linguistic Rules

Former Positions

- 2019–2022 **Research Assistant**, Language Technologies Research Center, IIIT, Hyderabad
- May–Aug
2021 **Research Intern**, Chandar Research Lab, MILA
MENTORS: Sarath Chandar, Prasanna Parthasarathi

Publications

- [5] *Adapting to Gradual Distribution Shifts with Continual Weight Averaging*
Jared Fernandez, **Saujas Vaduguru**, Sanket Vaibhav Mehta, Yonatan Bisk, Emma Strubell
To appear at the *Workshop on High-dimensional Learning Dynamics*
40th International Conference on Machine Learning
- [4] *Probing Negation in Language Models*
Shashwat Singh, Shashwat Goel, **Saujas Vaduguru**, Ponnurangam Kumaraguru
8th Workshop on Representation Learning for NLP (RepL4NLP)
61st Annual Meeting of the Association for Computational Linguistics (ACL)
- [3] *Stress Rules from Surface Forms: Experiments with Program Synthesis*
Saujas Vaduguru, Partho Sarthi, Monojit Choudhury, and Dipti Sharma
International Conference on Natural Language Processing (ICON), 2021
- [2] *Efficient Pragmatic Program Synthesis with Informative Specifications*
Saujas Vaduguru, Kevin Ellis, Yewen Pu
Workshop on Meaning in Context: Pragmatic Communication in Humans and Machines
35th Conference on Neural Information Processing Systems (NeurIPS), 2021
(oral presentation)
- [1] *Sample-efficient linguistic generalizations through program synthesis: Experiments with phonology problems*
Saujas Vaduguru, Aalok Sathe, Monojit Choudhury, and Dipti Sharma
Proceedings of the 18th SIGMORPHON Workshop on Computational Research in Phonetics, Phonology, and Morphology

The Joint Conference of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing (ACL-IJCNLP), 2021

Honors and Awards

2021 MITACS Globalink Research Internship
2017–2021 Dean’s List Award for Academic Performance
2015 Honourable Mention, International Linguistics Olympiad

Academic Service

ORGANIZER: First Workshop on Theory of Mind at ICML 2023

REVIEWER: ICON 2021, NILLI@EMNLP 2021, ACL 2023

Teaching Experience

Spring 2020 **Teaching Assistant**, Computational Linguistics I

Outreach

Pāṇini Linguistics Olympiad

- Closely involved with the Indian national Linguistics Olympiad
- Member of the Problem Committee (2022–)
- Member of the Organizing Committee for the program from 2018–2022
- Co-chair of Problem Committee and Jury (2018–2021)
- Team leader and coach for Indian team at the International Linguistics Olympiad in 2018, 2019, and 2021
- Lecturer at Joint Asian-Pacific Linguistics Training, 2021–22