

Venkata S Govindarajan

HE/HIM

DEPARTMENT OF LINGUISTICS,
THE UNIVERSITY OF TEXAS AT AUSTIN

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🐙 [venkatasg](https://github.com/venkatasg)

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EDUCATION

University of Texas at Austin 2019–

PhD Computational Linguistics

GPA: 3.78/4

University of Rochester 2017–2019

MS Computational Linguistics

GPA: 3.75/4

Indian Institute of Technology Madras 2012–2017

Dual Degree(B.Tech & M.Tech) Biological Engineering

GPA: 8.68/10

WORK EXPERIENCE

Amazon Alexa Applied Scientist Intern Summer 2021

Unsupervised Drift detection – NLP, NLU

Virtual

- Implemented an unsupervised method for detecting data drift in NLU models.
- Validated the approach on simulated and real-world drift.

RESEARCH EXPERIENCE

Linguistic Intergroup Bias 2020–

Research Project – Computational Semantics & Pragmatics

UT Austin

Advisor: Prof. David Beaver, Prof. Junyi Jessy Li

Advice in Online Forums 2019-20

Research Project – Computational Semantics & Discourse

UT Austin

Advisor: Prof. Junyi Jessy Li

Decomposing Generalization 2018-19

MS Thesis – Computational Semantics

University of Rochester

Advisor: Prof. Aaron Steven White

SKILLS

Programming Languages Python, Swift, R, MATLAB, LISP, Javascript, C, C++

Tools & Frameworks pyTorch, Tensorflow, Keras, Huggingface Transformers, SciPy, Pandas, nltk, Docker, L^AT_EX, Jupyter, Unix, SwiftUI, Combine, CoreML

Languages English(native), Tamil(native), Hindi(intermediate)

APPS

DeTeXt: An open source app for iPhone, iPad and Mac that predicts the best LaTeX commands corresponding to hand-drawn symbols using deep neural networks. Built using SwiftUI, Combine, PencilKit and CoreML.

PAPERS

Govindarajan, V. S., B. T. Chen, R. Warholc, K. Erk & J. J. Li. 2020a. [Help! Need Advice on Identifying Advice](#). In *Proceedings of The 2020 Conference on Empirical Methods in Natural Language Processing*.

White, A. S., E. Stengel-Eskin, S. Vashishtha, **V. S. Govindarajan**, et al. 2020. [The Universal Decompositional Semantics Dataset and Decomp Toolkit](#). In *Proceedings of The 12th Language Resources and Evaluation Conference*, 5698–5707. Marseille, France: European Language Resources Association.

Govindarajan, V., B. V. Durme & A. S. White. 2019. [Decomposing Generalization: Models of Generic , Habitual, and Episodic Statements](#). *Transactions of the Association for Computational Linguistics* 7. 501–517.

TALKS

Govindarajan, V. S., B. T. Chen, R. Warholc, K. Erk & J. J. Li. 2020b. [Help! Need Advice on Identifying Advice](#). Presented at *The 2020 Conference on Empirical Methods in Natural Language Processing*. Virtual. Nov 16-20 2020.

Govindarajan, V., B. V. Durme & A. S. White. 2020. [Decomposing Generalization: Models of Generic , Habitual, and Episodic Statements](#). Presented at *The 58th Annual Meeting of the Association for Computational Linguistics*. Virtual. July 5-10 2020.

AWARDS

COLA Supplemental Graduate School Fellowship	Spring 2020
Silver medal at International Genetically Engineered Machine (iGEM)	Fall 2016
Indian Biological Engineering Competition (iBEC) grant for INR 1,000,000	Fall 2016
National BIRAC-IdeaThon on Antimicrobial Resistance Finalist	Fall 2016
Second runner up in 3M-CII Young Innovators Challenge	Spring 2015