

VENKATA S GOVINDARAJAN

UNIVERSITY OF TEXAS AT AUSTIN | DEPARTMENT OF LINGUISTICS | HE/HIM

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EDUCATION

University of Texas at Austin	2019–
<i>PhD Computational Linguistics</i>	
GPA: 3.78/4	
University of Rochester	2017–2019
<i>MS Computational Linguistics</i>	
GPA: 3.75/4	
Indian Institute of Technology Madras	2012–2017
<i>Dual Degree(B.Tech & M.Tech) Biological Engineering</i>	
GPA: 8.68/10	

WORK EXPERIENCE

Amazon Alexa Applied Scientist Intern	Summer 2021
<i>Unsupervised Drift detection – NLP, NLU</i>	Virtual
<ul style="list-style-type: none">- Implemented an unsupervised method for detecting dataset drift in NLU models.- Validated the approach on simulated and real-world drift.	

RESEARCH EXPERIENCE

Linguistic Intergroup Bias	2020–
<i>Research Project – Computational Semantics & Pragmatics</i>	UT Austin
Advisor: Prof. David Beaver, Prof. Junyi Jessie Li	
Advice in Online Forums	2019-20
<i>Research Project – Computational Semantics & Discourse</i>	UT Austin
Advisor: Prof. Junyi Jessie Li	
Decomposing Generalization	2018-19
<i>MS Thesis – Computational Semantics</i>	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, ~~LaTeX~~, Jupyter, Unix, SwiftUI, Combine, CoreML
Languages English(fluent), Tamil(fluent), 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 Compositional Semantics Dataset and Decomp Toolkit](#). In *Proceedings of The 12th Language Resources and Evaluation Conference*, 5698–5707. Marseille, France.

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](#). To be 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

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