

# Venkata S Govindarajan

HE/HIM  
DEPARTMENT OF LINGUISTICS,  
THE UNIVERSITY OF TEXAS AT AUSTIN

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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 &amp; M.Tech) Biological Engineering</i>	
GPA: 8.68/10	

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## WORK EXPERIENCE

Amazon Alexa Applied Scientist Intern	Summer 2021
<i>Unsupervised Drift detection – NLP, NLU</i>	Virtual
Implemented an unsupervised method for detecting data drift in NLU models, and validated the approach on simulated and real-world drift. Received return internship offer.	

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## RESEARCH EXPERIENCE

Linguistic Intergroup Bias	2020–
<i>Research Project – Computational Semantics &amp; Pragmatics</i>	UT Austin
Advisor: Prof. David Beaver, Prof. Junyi Jessy Li	
Advice in Online Forums	2019-20
<i>Research Project – Computational Semantics &amp; Discourse</i>	UT Austin
Advisor: Prof. Junyi Jessy Li	
Decomposing Generalization	2018-19
<i>MS Thesis – Computational Semantics</i>	University of Rochester
Advisor: Prof. Aaron Steven White	

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## SKILLS

**Programming Languages** Python, Swift, R, MATLAB, LISP, Javascript, C, C++  
**Tools & Frameworks** pyTorch, Tensorflow, Keras, Huggingface Transformers, SciPy, Pandas, nltk, Docker, L<sup>A</sup>T<sub>E</sub>X, Jupyter, Unix, SwiftUI, Combine, CoreML  
**Languages** English(native), Tamil(native), Hindi(intermediate)

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## 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.

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## 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.

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## 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.

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## 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