

# VENKATA S GOVINDARAJAN

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

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## EDUCATION

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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	

## WORK EXPERIENCE

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

## RESEARCH EXPERIENCE

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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	

## SKILLS

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**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

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**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

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**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

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**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

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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