Prathyusha Jwalapuram

Contact Information	27 Foch Road, #09-01 Hoa Nam Building, Singapore - 209264	(+65) 94681446 pjwalapuram@gmail.com http://www.pjwalapuram.com	
Education	Nanyang Technological University, Singapore Ph.D., Computer Science July 2018 - August 202 Thesis: Building Generalizable Models for Discourse Phenomena Evaluation an Machine Translation		
	International Institute of Information Technology, Hyderabad		
	MS, Computational Linguistics B.Tech, Computer Science	$2012\mathchar`-2018$ (dual degree with Honors)	
PUBLICATIONS	Jwalapuram, Prathyusha. "Pulling Out All the Full Stops: Punctuation Sensitivity in Neural Machine Translation and Evaluation." <i>Findings of ACL</i> (2023).		
	Jwalapuram, Prathyusha, Joty, Shafiq and Lin, Xiang. "Rethinking Self-Supervision Objectives for Generalizable Coherence Modeling." ACL (2022).		
	Mohiuddin, Tasnim [*] and Jwalapuram , Prathyusha[*] and Lin Xiang [*] and Jo Shafiq [*] . "Rethinking Coherence Modeling: Synthetic vs. Downstream Tasks." <i>EA</i> (2021).		
	Jwalapuram, Prathyusha and Joty, Shafiq and Shen, Youlin. "Pronoun-Targeted Finetuning for NMT with Hybrid Losses." <i>EMNLP</i> (2020).		
	Bari, M Saiful and Joty, Shafiq and Jwalapuram, Prathyusha . "Zero-Resource Cross-Lingual Named Entity Recognition." <i>AAAI</i> (2020).		
	Jwalapuram, Prathyusha and Joty, Shafiq and Temnikova, Irina and Nakov, Presla "Evaluating Pronominal Anaphora in Machine Translation: An Evaluation Measurand a Test Suite." <i>EMNLP-IJCNLP</i> (2019).		
Lin, Xiang and Joty, Shafiq and Jwalag Unified Linear-Time Framework for Sent			
Other Projects	Lin, Xiang, Jwalapuram, Prathyusha , and Joty, Shafiq. "Dynamic Scheduled Sampling with Imitation Loss for Neural Text Generation." Under review.		
	Jwalapuram, Prathyusha and Rychalska, Barbara and Joty, Shafiq and Basaj, Dominika. "Can Your Context-Aware MT System Pass the DiP Benchmark Tests? : Evaluation Benchmarks for Discourse Phenomena in Machine Translation." arXiv abs/2004.14607 (2020).		

Work Experience	Applied Scientist Salesforce	July 2024 - Present	
	Research Scientist Rakuten Asia Machine Translation and Evaluation Lead	August 2022 - July 2024	
	• Improved the English-Japanese Machine Translation system by making effective use of available data while streamlining stopgap solutions and maintaining in- ference efficiency for production.		
	• Built a comprehensive test suite and evaluation framework for machine translation, to drive model improvement across several axes. Led the adoption of COMET, a model-based evaluation metric, over traditional string matching based BLEU scores.		
	• Composed evaluation test suites and drafted annota- tion guidelines for data collection and human evalua- tion for large language models across languages based on state-of-the-art principles.		
	• Discovered a critical issue with punctuation ro- bustness in commercial machine translation systems (Google/DeepL/Microsoft). Led to a publication ac- cepted at ACL Findings 2023 as a solo author.		
Academic Experience	Program Committee ACL 2019-2023, EMNLP 2019-2023, NAACL 2020-2021, AAAI 2020-2022, EACL 2020, ACL Rolling Review		
	Teaching Assistant (NTU) Deep Learning for NLP, Object Oriented Design and Programmin Multi-Disciplinary Project, Data Structures		
	Teaching Assistant (IIIT-H) Introduction to Linguistics, Linguistics-I		
Honors & Awards	Dean's List IIIT-H, Monsoon 2016, 2015		
	Merit List IIIT-H, Monsoon 2014		
Additional Experience	Panel Member WiNLP Stories from Asia Panel at ACL-IJCNLP 2021		
	Student Co-Chair Diversity & Inclusion Committee, NAACL 2021		
	Student Co-Chair Diversity & Inclusion Committee, EMNLP 2020		
	Co-Curator TEDxNTU 2018-2020		