Ratish Puduppully

r.puduppully@sms.ed.ac.uk https://ratishsp.github.io/
http://www.linkedin.com/in/ratishsp/

Education

Sep 2017 - Jul 2021 (exp)	PhD in Informatics, University of Edinburgh. Advisor: Prof. Mirella Lapata
Dec 2014 - Feb 2017	MS in CSE by Research. IIIT Hyderabad Grade: 9.33 CGPA
Jul 2001 – Jun 2005	B.E in Electronics and Telecommunications. Mumbai University. Grade: equiv. to 9 CGPA.

Research Publications

Journal Articles

1. **Puduppully**, **R.**, & Lapata, M. (2021). Data-to-text generation with macro planning. *Transactions of the Association for Computational Linguistics (TACL) (to appear)*. Retrieved from https://arxiv.org/abs/2102.02723

Conference Proceedings

1. **Puduppully**, **R.**, Dong, L., & Lapata, M. (2019a). Data-to-text generation with entity modeling. In *Proceedings of the 57th annual meeting of the association for computational linguistics* (pp. 2023–2035). doi:10.18653/v1/P19-1195
2. **Puduppully**, **R.**, Dong, L., & Lapata, M. (2019b). Data-to-text generation with content selection and planning. In *Proceedings of the 33rd AAAI Conference on Artificial Intelligence*, Honolulu, Hawaii. Retrieved from https://doi.org/10.1609/aaai.v33i01.33016908
3. **Puduppully**, **R.**, Zhang, Y., & Shrivastava, M. (2017). Transition-based deep input linearization. In *Proceedings of the 15th conference of the European chapter of the association for computational linguistics: Volume 1, long papers* (pp. 643–654). Valencia, Spain: Association for Computational Linguistics. Retrieved from https://www.aclweb.org/anthology/E17-1061
4. **Puduppully**, **R.**, Zhang, Y., & Shrivastava, M. (2016). Transition-based syntactic linearization with lookahead features. In *Proceedings of the 2016 conference of the north American chapter of the association for computational linguistics: Human language technologies* (pp. 488–493). doi:10.18653/v1/N16-1058
5. Kunchukuttan, A., **Puduppully**, **R.**, & Bhattacharyya, P. (2015). Brahmi-net: A transliteration and script conversion system for languages of the Indian subcontinent. In *Proceedings of the 2015 conference of the north American chapter of the association for computational linguistics: Demonstrations* (pp. 81–85). doi:10.3115/v1/N15-3017

Workshop Proceedings

1. **Puduppully**, **R.**, Mallinson, J., & Lapata, M. (2019). *University of Edinburgh's submission to the document-level generation and translation shared task*. doi:10.18653/v1/D19-5630
2. Bhingardive, S., **Puduppully**, **R.**, Singh, D., & Bhattacharyya, P. (2014). *Merging verb senses of Hindi WordNet using word embeddings*. Goa, India: NLP Association of India. Retrieved from https://www.aclweb.org/anthology/W14-5148

Patents

2016 — Method and system for sharing content. US Patent 9,256,695. Willis, B. Natraj,S., Shinde, S., Agarwal,T., **Puduppully, R.**, Santhi Pulagala S. and Chang S.

Research Positions

Jun - Oct 2019 — Intern, Google Research London.
I interned with the text summarization team at Google Research London under the mentorship of Shashi Narayan. I worked on researching recurrent neural network grammar based approaches to jointly generate summary and its parse tree.

Mar - Aug 2017 — Research Assistant, Singapore University of Technology and Design.
I was part of Prof. Yue Zhang's NLP lab. I worked in the area of financial market prediction using text data.

May - Dec 2014 — Research Engineer, Center for Indian Language Technology (CFILT) lab at IIT Bombay.
I worked in the areas of MT and WSD under the guidance of Prof. Pushpak Bhattacharyya.

Teaching Experience

2021 — Tutor, Demonstrator and Marker for Natural Language Understanding, Generation, and Machine Translation

2018 — Tutor for Accelerated Natural Language Processing

Internship Supervisor. Mentored a BS student from Stanford University during the students' internship at University of Edinburgh.

Employment History

2005 – 2008 — Software Engineer, Infosys Technologies Ltd.

2008 – 2014 — Technical Architect, R&D Division, Saba Software, Mumbai.

Skills

Languages — Strong reading, writing and speaking competencies for English, Hindi, Marathi and Malayalam.

Programming Languages — Regular Use: Python. Less recent use: Java, C++, Javascript

Machine Learning Tools — Regular use: Pytorch. Less recent use: Tensorflow, Dynet.

Miscellaneous Experience

Awards and Achievements

2017 — Edinburgh Global Research Scholarship and Principal's Career Development Scholarship for pursuing PhD studies at University of Edinburgh.

Travel Grant from ACM India for presenting paper at EACL conference in Valencia, Spain.

2016 — Travel Grant from Microsoft for presenting paper at NAACL conference in San Diego, US

2002-04 — JRD Tata Scholarship for Academic Excellence for undergraduate studies.

Miscellaneous Experience (continued)

Service

2018-2021 **Reviewer**. ACL: Annual Meeting of the Association for Computational Linguistics.

2018-2020* **Reviewer**. EMNLP: Conference on Empirical Methods in Natural Language Processing
* Outstanding reviewer

Volunteering

2018-2020 Digital Ambassador at University of Edinburgh.
Volunteered as a Digital Ambassador to help improve digital literacy amongst people, mainly elderly persons in community. The project won the 2019 University of Edinburgh Social Responsibility and Sustainability Community Partnership Award.