

Kundan Krishna

PhD student, Language Technologies Institute, CMU

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Basic Information

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Research Interests

- Natural Language Generation, Text summarization, Machine Learning

Education

PhD in Language and Information Technologies

CARNEGIE MELLON UNIVERSITY

August 2018 - present

Pittsburgh, Pennsylvania

- Advisors: Professor Zachary C. Lipton and Professor Jeffrey Bigham
- CGPA: 3.79

B.Tech. in Computer Science and Engineering

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

July 2012 - June 2016

Kanpur, India

- CPI: 9.9/10

Professional Experience

Member of Technical Staff

ADOBE RESEARCH, INDIA

June 2016 - July 2018

- Identifying potential applications of machine learning in Adobe's products.
- Designing models and algorithms and implementing research prototypes.

Publications

- **Extracting Structured Data from Physician-Patient Conversations By Predicting Noteworthy Utterances.** Kundan Krishna, Amy Pavel, Benjamin Schloss, Jeffrey Bigham, Zachary Lipton. *International Workshop on Health Intelligence at AAAI 2020*
- **Generating topic-oriented summaries using neural attention.** Kundan Krishna, Balaji V. Srinivasan. *Conference of the North American Chapter of the Association for Computational Linguistics, 2018*
- **Vocabulary Tailored Summary Generation.** Kundan Krishna, Aniket Murhekar, Saumitra Sharma, Balaji V. Srinivasan. *International Conference on Computational Linguistics, 2018*
- **An LSTM based method for prediction of human activities with durations.** Kundan Krishna*, Deepali Jain*, Sanket Mehta, Sunav Choudhary. *ACM IMMUT. Vol. 1, No. 4, Article 147. December 2017. To be presented at UbiComp 2018*
- **CCC: Corpus based Content Creation.** Balaji V. Srinivasan, Pranav R. Maneriker, Kundan Krishna, Natwar Modani. *International Conference on Computational Linguistics, 2018*

Patents

- Saumitra Sharma, Kundan Krishna, Balaji Vasanth Srinivasan, Aniket Murhekar . **Generating a Targeted Summary of Textual Content Tuned to a Target Audience Vocabulary.** *Filed in US PTO(Application no. 15816976)*
- Balaji Vasanth Srinivasan, Pranav R. Maneriker, Kundan Krishna, Shiv Kumar Saini, Cedric Huesler. **Bundling online content fragments for presentation based on content-specific metrics and inter-content constraints.** *Filed in US PTO(Application no. 15/687,658) and India PTO(Application no. 201711009821)*
- Harsh Jhamtani, Kundan Krishna, Atanu R Sinha, Preetansh Goyal, Ashwin Bhat, Satya Prateek Matam. **Training Classification Algorithms to Predict End-User Behavior Based on Historical Conversation Data.** *Filed in US PTO(Application no. 15/462,144)*
- Natwar Modani, Manoj Kilaru, Kundan Krishna, Harsh Khetan. **A Comprehensive Skill Specific Contributor Rating System Leveraging Context and Sentiments.** *Filed in US PTO(Application no. 15/815456)*
- Balaji Vasanth Srinivasan, Pranav Ravindra Maneriker, Kundan Krishna, Natwar Modani. **Method to construct content based on a content repository.** *Application in preparation*

Honors & Awards

2014-2016	Academic Excellence Award for 3 consecutive years for outstanding academic performance	IIT Kanpur
2014	Dr. Elizabeth and Varkey Cherian Award for best research project in the Summer Undergraduate Research Grant for Excellence(SURGE) program (jointly awarded to 2 out of 43 total research projects)	IIT Kanpur