

# PRAKHAR GUPTA

Carnegie Mellon University, Pittsburgh 15213

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## RESEARCH INTERESTS

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My research interests lie in natural language processing and machine learning in general, and specifically in problems related to deep generative models for natural language and dialog systems. I have also worked on problems related to vision and online learning.

## EDUCATION AND EXPERIENCE

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M.S., LANGUAGE TECHNOLOGIES INSTITUTE August 2018 - Present  
Carnegie Mellon University, PA, USA  
GPA: 4.04

RESEARCH ASSOCIATE 2 July 2015 - August 2018  
BigData Experience Lab, Adobe Systems, India

M.TECH. AND B.TECH. (DUAL DEGREE) IN CS July 2010 - June 2015  
Indian Institute of Technology, Roorkee, India  
GPA: 8.95/10, Distinction awarded

## SELECTED PUBLICATIONS

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1. **Prakhar Gupta**, Vinayshekhar Bannihatti Kumar, Mukul Bhutani, and Alan W Black. *Writerforcing: Generating more interesting story endings*. In Proceedings of the Second Workshop on Storytelling. Association for Computational Linguistics, 2019. (to appear).
2. **Prakhar Gupta**, Gaurush Hiranandani, Harvineet Singh, Branislav Kveton, Zheng Wen, Iftikhar Ahamath Burhanuddin *Cascade Linear Submodular Bandits: Accounting for Position Bias and Diversity in Online Learning to Rank*, (UAI 2019)
3. **Prakhar Gupta**, Shubh Gupta, Ajaykrishnan Jayagopal, Sourav Pal, Ritwik Sinha, *Saliency Prediction for Mobile User Interfaces*, In 2018 IEEE Winter Conference on Applications of Computer Vision (WACV 2018)
4. **Prakhar Gupta**, Sandeep Kumar, Kokil Jaidka. *Summarizing Customer Reviews through Aspects and Contexts*, in International Conference on Intelligent Text Processing and Computational Linguistics, (CICLing 2015)

## TEACHING AND RESPONSIBILITIES

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INTERNSHIP MENTOR - Mentored multiple students at Adobe Research over their summers research internships.  
TUTORING - Facilitated hour-long interactive tutorials with group of 30 students for Data Structures course.  
COORDINATOR OF MOBILE APPLICATION DEVELOPMENT GROUP at IIT Roorkee.

## TECHNICAL SKILLS

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- Java, Python (including scikit-learn, Pandas, numpy, etc.), R, C++, node.js, Javascript, SQL mongodb
- Experience with Hadoop, MapReduce, Hive, Parallel computing and computing clusters
- Data mining, cleaning, and imputing, statistical data modeling
- Pattern recognition, forecasting, classification, clustering etc.

## RELEVANT COURSES

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Deep Learning  
Algorithms for NLP  
Artificial Intelligence  
Data Mining and Warehousing

Machine Learning  
Neural Networks for NLP  
Design and Analysis of Algorithms  
Object Oriented System Design