

# PRANAV MANERIKER

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[pranavmaneriker.github.io](https://pranavmaneriker.github.io)

## RESEARCH INTERESTS

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Natural Language Processing, Statistical Inference, Data Mining

## EDUCATION

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### The Ohio State University

PhD in Computer Science and Engineering. *GPA: 4.0/4.0*

August 2018 | Present

Advisor: Dr. Srinivasan Parthasarathy

### IIT Kanpur

B. Tech. Computer Science and Engineering. *GPA: 9.2/10*

June 2012 | Jun 2016

Minor in English Literature

## EXPERIENCE

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### The Ohio State University

*Research Assistant*

Columbus, Ohio

Aug 2018 | Present

- Ontology and relation modeling in transfer learning settings
- Semantic analysis of text, including style and intent

### Amazon

*Applied Scientist Intern*

Seattle, Washington

May 2019 | Aug 2019

- Fraud detection in the Buyer Fraud team, Transaction Risk Management Systems
- Nonparametric regression, metric learning and few-shot learning approaches
- Improved performance and reduced data requirements for fraud detection

### Adobe Research

*Research Scientist*

Bengaluru, India

June 2016 | Jul 2018

*Research Intern*

May 2015 | Jul 2015

- Natural language processing problems including text summarization, computational creativity and style and affect in text
- Statistical modeling of effectiveness with synthetic control based econometric methods
- Frequent itemset mining based models for large scale prediction
- Experiment design for evaluation
- Work resulted in multiple patents and publications

### IIT Kanpur

*Teaching Assistant, Introduction to Programming*

Kanpur, India

Jan 2016 | Apr 2016

*Teaching Assistant, Data Structures and Algorithms*

Aug 2015 | Nov 2015

## SELECTED PUBLICATIONS

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- Byung-Doh Oh\*, Pranav Maneriker\*, Nanjiang Jiang\*. **THOMAS: The Hegemonic OSU Morphological Analyzer using Seq2seq**, SIGMORPHON Workshop, Association for Computational Linguistics (ACL) 2019
- Pranav Maneriker, Nikhita Vedula, Hussein S. Al-Olimat, Jiayong Liang, Omar El-Khoury, Ethan Kubatko, Desheng Liu, Krishnaprasad Thirunarayan, Valerie Shalin, Amit Sheth, Srinivasan Parthasarathy. **A Pipeline for Disaster Response and Relief Coordination**, SIGIR 2019
- Nikhita Vedula, Pranav Maneriker, Srinivasan Parthasarathy. **BOLT-K: Bootstrapping Ontology Learning via Transfer of Knowledge**, The Web Conference (WWW) 2019
- Paridhi Maheshwari, Nitish Bansal, Surya Dwivedi, Rohan Kumar, Pranav Maneriker, Balaji Vasan Srinivasan. **Exemplar Based Experience Transfer**, Intelligent User Interfaces (IUI) 2019
- Balaji Vasan Srinivasan, Pranav Maneriker, Kundan Krishna, Natwar Modani. **Corpus-based Content Construction**, International Conference on Computational Linguistics (COLING) 2018
- Ritwik Sinha, Dhruv Singal, Pranav Maneriker, Kushal Chawla, Yash Shrivastava, Deepak Pai, Atanu Sinha. **Forecasting Granular Audience Size for Online Advertising** 2018 TargetAd and AdKDD (KDD workshop)

## PATENTS

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- BV Srinivasan, SK Saini, K Krishna, Anandhavelu N, T Goyal, P Maneriker, C Huesler, **Bundling Online Content Fragments For Presentation Based on Content-Specific Metrics and Inter-Content Constraints**, US Patent App. 15/687,658, 2018
- N Modani, V Subramanian, S Gupta, P Maneriker, Utpal, G Hiranandani, A Sinha, **Multimedia Document Summarization**, US Patent App. 14/947,964, 2017
- N Modani, V Subramanian, S Gupta, P Maneriker, Utpal, G Hiranandani, A Sinha, **Determining quality of a summary of multimedia content**, US Patent 9,454,524, 2016

## AWARDS AND ACHIEVEMENTS

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- **Aditya Birla Group Scholarship** (2012 - 2016) Awarded to about 15 students from the top Engineering Schools across India on the basis of academic and co-curricular excellence
- **Academic Excellence Award** (2013) Awarded to top 7% of the students in the university
- **International Collegiate Programming Contest (ICPC 2014)** Positioned 22<sup>nd</sup> among the top 250 teams across India in Amritapuri Regionals.
- **IIT JEE, AIEEE** (2012) Ranked 145 among 0.5 million, and 39 out of 1.2 million candidates respectively in National Engineering Entrance examinations.

## RELEVANT COURSEWORK

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Computational Linguistics, Algorithms, Parallel Computing, Probability and Statistics, Probabilistic Machine Learning, Machine Learning for Computer Vision

## LANGUAGES AND FRAMEWORKS

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Languages	Python, Java, C++, C, Bash (shell scripting)
Frameworks	PyTorch, Tensorflow, scikit-learn, Git

## EXTRA CURRICULAR EXPERIENCE

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- Former National Record holder for Rubik's Cube one-handed and fewest moves Solving (2013). Also, coordinated the activities of the Rubik's Cube Hubby Group on campus, including organizing an official World Cube Association Competition
- Actively involved in Literary Discussion Group at IIT Kanpur (2013-2016)
- Regular participant in sprint distance triathlons and up to half marathon distance runs.

## REFERENCES

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Available on Request