

# PRANAV MANERIKER

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

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## RESEARCH INTERESTS

Natural Language Processing, Statistical Inference, Data Mining

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## EDUCATION

### 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

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## EXPERIENCE

### 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

### 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

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## SELECTED PUBLICATIONS

- Nikhita Vedula, Pranav Maneriker, Srinivasan Parthasarathy. **BOLT-K: Bootstrapping Ontology Learning via Transfer of Knowledge**, The Web Conference (WWW) 2019 (*to appear*)
- Balaji Vasanth Srinivasan, Pranav Maneriker, Paridhi Maheshwari, Nitish Bansal, Surya Dwivedi, Rohan Kumar, **Inspiration Driven Experience Transfer**, Intelligent User Interfaces (IUI) 2019 (*to appear*)
- Balaji Vasanth 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)
- Atanu Sinha, Meghanath Macha, Pranav Maneriker, Sopan Khosla, Avani Samdaria, Navjot Singh. **Anti-Ad Blocking Strategy: Measuring its True Impact**, 2017 TargetAd and AdKDD (KDD workshop)
- Gaurush Hiranandani, Pranav Maneriker, Harsh Jhamtani. **Generating Appealing Brand Names**, Computational Linguistics and Intelligent Text Processing (CICLing) 2017
- Natwar Modani, Pranav Maneriker, Gaurush Hiranandani, Atanu Sinha, Utpal, Vaishnavi Subramanian, Shivani Gupta. **Summarizing Multimedia Content** Web Information Systems Engineering (WISE) 2016

## 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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Data Structures and Algorithms, Probability and Statistics, Probabilistic Machine Learning, Machine Learning for Computer Vision, Approximation Algorithms, Parallel Computing

## LANGUAGES AND FRAMEWORKS

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

## 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