

## PERSONAL DETAILS

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## EDUCATION

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**Ph.D. Computer Science** 2018 -  
*University of Maryland, College Park*  
GPA: 4.0/4.0 (Spring 2019)  
(Computational Linguistic I: A+, Deep Learning: A, Advanced Numerical Optimization: A, Theoretical Machine Learning: A+)  
(Temporary) Advisor: [Jordan Boyd-Graber](#)

**B.Tech. Computer Science and Engineering (with Honors in AI)** 2014 - 2018  
*Indian Institute of Technology (BHU) Varanasi, India*  
GPA: 9.34/10.0  
Advisor: [Anil Kumar Singh](#)  
Published Projects: [1], [4], [5]

## RESEARCH AND PROFESSIONAL EXPERIENCE

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**Research Intern: NLP Group, Microsoft Research, Redmond** June 2019 - August 2019  
*Project: Viewer Engagement in Live Video Streaming using Relevant Comments made by Chatbots*  
Supervisor: [Nebojsa Jojic](#)

**Research Intern: Articulab, Carnegie Mellon University** May 2017 - July 2017  
*Project: Conversational Strategy Classification for a Virtual Assistant (SARA)*  
Worked on various neural methods to best classify the conversational strategy (violating social norm, being polite, being indirect, praising, etc.) in user's utterance. *Multi-modal* features used (visual and text). The classification allows the agent to maintain and increase *rappor*t with the user.  
(Spinoff Project on Detecting Indirectness in Conversation [2])  
Supervisors: Dr. [Yoichi Matsuyama](#) and [Prof. Justine Cassell](#)

**Research Intern: CFILT Lab, Indian Institute of Technology Bombay** May 2016 - July 2016  
*Project: Sarcasm Target Identification [3]*  
Supervisors: Dr. [Aditya Joshi](#) and Prof. [Pushpak Bhattacharyya](#)

**Software Engineering Intern: Ephesoft, India** Dec 2016 - Jan 2017  
*Project: Comparing Content Analysis Approaches (with the Data Science team)*

## PEER-REVIEWED PUBLICATIONS

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[1] **Pranav Goel\***, Devang Kulshreshtha\*, and Anil Kumar Singh. "[How emotional are you? Neural Architectures for Emotion Intensity Prediction in Microblogs](#)". COLING 2018. [Presentation](#)

[2] **Pranav Goel**, Yoichi Matsuyama, Michael Madaio, and Justine Cassell. "[I think it might help if we multiply, and not add](#)": Detecting Indirectness in Conversation. Proceedings of the International Workshop Series on Spoken Dialogue Systems Technology (IWSDS) 2018. [Presentation](#)

[3] Aditya Joshi, **Pranav Goel**, Pushpak Bhattacharyya, and Mark J. Carman. “[Sarcasm Target Identification: Dataset and An Introductory Approach.](#)” LREC 2018-11th edition of the Language Resources and Evaluation Conference 2018. [Poster](#)

[4] **Pranav Goel**\*, Devang Kulshreshtha\*, Prayas Jain and K.K. Shukla. “[Prayas at emoint 2017: An ensemble of deep neural architectures for emotion intensity prediction in tweets.](#)” Proceedings of the 8th Workshop on Computational Approaches to Subjectivity, Sentiment and Social Media Analysis at EMNLP 2017. (Shared Task Winner!) [Presentation](#)

[5] **Pranav Goel** and Anil Kumar Singh. “[IIT \(BHU\): System Description for LSDSem’17 Shared Task.](#)” Proceedings of the 2nd Workshop on Linking Models of Lexical, Sentential and Discourse-level Semantics at EACL 2017. [Poster](#)

\* joint first author

## TECHNICAL SKILLS

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- Languages: Python, C, C++
- Technologies: Keras, PyTorch, Scikit-learn, NLTK, Git, BASH, L<sup>A</sup>T<sub>E</sub>X

## TEACHING

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<b>Teaching Assistant</b> <i>Introduction to Natural Language Processing</i> University of Maryland	Spring 2019
<b>Teaching Assistant</b> <i>Discrete Mathematics</i> University of Maryland	Fall 2018
<b>Teaching Assistant</b> <i>Introduction to Artificial Intelligence</i> Indian Institute of Technology (BHU) Varanasi	Spring 2018
<b>Teaching Assistant</b> <i>Introduction to Programming in C</i> Indian Institute of Technology (BHU) Varanasi	Fall 2016

## AWARDS AND SCHOLARSHIPS

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- Dean’s Fellowship, University of Maryland, 2018-19.
- Received about USD 700 from IIT (BHU) Varanasi as Travel Grant to attend EACL 2017.
- Selected for the DAAD-WISE scholarship/internship program for 2017.

## POSITIONS OF RESPONSIBILITY AND INITIATIVES

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- Co-Convener for [Codefest](#) 2017, an annual global programming festival conducted by Department of Computer Science and Engineering, IIT (BHU) Varanasi. (September 2017)
- Co-Coordinator for the online world-wide ML competition *MLWARE*, part of the annual techno-management festival of IIT (BHU) Varanasi (Technex, February 2017)
- Started and lead a Machine Learning Reading Group for undergraduate students interested in ML research across the institute (first of its kind at IIT (BHU) Varanasi).