Pranav Goel

[Website] [Google Scholar] [Github]

PERSONAL DETAILS

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University of Maryland
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EDUCATION

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+)

　　Advisor: Philip Resnik

　　Published Projects: [**1**]

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: [**2**], [**5**], [**6**]

RESEARCH AND PROFESSIONAL EXPERIENCE

Research Intern: NLP Group, Microsoft Research, Redmond   June 2019 - August 2019

Project: Different Language Generation Mechanisms for Chatbots - What are the Differences?

　　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 *rapport* with the user.

　　(Spinoff Project on Detecting Indirectness in Conversation [**3**])

　　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 [4]

　　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

　　[**1**] **Pranav Goel**, Shi Feng, and Jordan Boyd-Graber. "How Pre-trained Word Representations
Capture Commonsense Physical Comparisons". Proceedings of the 1st Workshop on Commonsense
Inference in Natural Language Processing at EMNLP 2019. Presentation

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

[3] **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 (Also published as a Chapter in the Book: 9th International Workshop on Spoken Dialogue System Technology pp 27-40, Lecture Notes in Electrical Engineering, vol 579. Springer, Singapore.)

[4] 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

[5] **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

[6] **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

- Languages: Python, C, C++

- Technologies: PyTorch, Keras, Scikit-learn, AllenNLP, NLTK, Git, BASH, LaTeX, Flask

TEACHING

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

AWARDS AND SCHOLARSHIPS

- Dean's Fellowship, University of Maryland, 2019-2020.

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- 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.