

PERSONAL DETAILS

Address A.V. Williams Bldg
University of Maryland
8223 Paint Branch Dr
College Park, MD 20740

E-Mail pgoell@cs.umd.edu

Phone +1 (240) 938-5539

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+)
(Temporary) Advisors: [Philip Resnik](#), [Jordan Boyd-Graber](#)
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.

[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](#)
- [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, L^AT_EX, Flask

TEACHING

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

AWARDS AND SCHOLARSHIPS

- Dean’s Fellowship, University of Maryland, 2019-2020.
- Dean’s Fellowship, University of Maryland, 2018-2019.
- 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.