

# Anmol Goel

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Natural Language Processing  
Computational Social Science  
Causal Inference

## Education






- 2022 – on **MS by Research (CSE)**, IIIT Hyderabad | CGPA: 9.5/10
- 2017 – 2021 **Bachelor of Technology (CSE)**, Guru Gobind Singh Indraprastha University, Delhi | CGPA: 8.85/10

## Experience

- Jun'21 – on **Research Associate - IIIT Hyderabad**  
Centre for Computational Social Science  
Advised by Prof. Ponnurangam Kumaraguru  
Worked on Long Document Summarization and linguistically-motivated NLP algorithms for Indian Languages.
- Jan'20 – **Research Intern - IIIT Delhi**  
May'20 Precog Lab  
Advised by Prof. Ponnurangam Kumaraguru  
Worked on canonicalization of industry-scale knowledge graphs and studied linguistic evolution through lexical semantic change.
- May'19 – **Research Intern**  
Aug'19 Wellowise  
Advised by Dr. Saher Mehdi  
Developed large scale medical domain NLP and graph based algorithms for disease diagnosis.
- May'18 – **Summer Intern**  
Jun'18 Defence Research and Development Organisation (DRDO)  
Advised by Dr. Chanchal Sharma  
Explored methods to model real-time epitaxy data from Solid State Physics Laboratory.

## Publications

### Conference Proceedings

- 2022 **Anmol Goel**, Charu Sharma, Ponnurangam Kumaraguru. An Unsupervised, Geometric and Syntax-aware Quantification of Polysemy. *In Empirical Methods in Natural Language Processing (EMNLP)*. 
- Prashant Kodali, **Anmol Goel**, Monojit Choudhury, Manish Shrivastava, Ponnurangam Kumaraguru. SyMCoM - Syntactic Measure of Code Mixing A Study Of English-Hindi Code-Mixing. *In Findings of Association for Computational Linguistics (ACL)*. doi:[10.18653/v1/2022.findings-acl.40](https://doi.org/10.18653/v1/2022.findings-acl.40)    

Arnav Kapoor, Mudit Dhawan, **Anmol Goel**, Arjun TH, Akshala Bhatnagar, Vibhu Agrawal, Amul Agrawal, Arnab Bhattacharya, Ponnurangam Kumaraguru, Ashutosh Modi. HLDC: Hindi Legal Documents Corpus. *In Findings of Association for Computational Linguistics (ACL)*. doi:[10.18653/v1/2022.findings-acl.278](https://doi.org/10.18653/v1/2022.findings-acl.278).



Udit Arora, Nidhi Goyal, **Anmol Goel**, Niharika Sachdeva, Ponnurangam Kumaraguru. Ask It Right! Identifying Low-Quality questions on Community Question Answering Services. *In International Joint Conference on Neural Networks (IJCNN)*. doi:[10.1109/IJCNN55064.2022.9892454](https://doi.org/10.1109/IJCNN55064.2022.9892454).



2021 Nidhi Goyal, Niharika Sachdeva, **Anmol Goel**, Jushaan Kalra, Ponnurangam Kumaraguru. KCNet: Kernel-based Canonicalization Network for entities in Recruitment Domain. *In 30th International Conference on Artificial Neural Networks (ICANN)*. doi:[10.1007/978-3-030-86340-1\\_13](https://doi.org/10.1007/978-3-030-86340-1_13).



## Workshop Publications

2021 **Anmol Goel**, Ponnurangam Kumaraguru. Detecting Lexical Semantic Change across Corpora with Smooth Manifolds (Student Abstract). *In AAAI 2021 Student Track. Finalist for Best Student Paper Award*. doi:[10.1609/aaai.v35i18.17888](https://doi.org/10.1609/aaai.v35i18.17888)



**Anmol Goel**, Ponnurangam Kumaraguru. A Geometric Measure of Polysemy in Hindi Language. *In ACM CODS COMAD* doi:[10.1145/3430984.3431044](https://doi.org/10.1145/3430984.3431044)



Devansh Gautam, Prashant Kodali, Kshitij Gupta, **Anmol Goel**, Manish Shrivastava, Ponnurangam Kumaraguru. CoMeT: Towards Code-Mixed Translation Using Parallel Monolingual Sentences. *In CALCS colocated with NAACL* doi:[10.18653/v1/2021.calcs-1.7](https://doi.org/10.18653/v1/2021.calcs-1.7)



## Academic Service

### Reviewer

- EMNLP 2022
- EMNLP 2022 Industry Track
- NAACL 2022 Industry Track

### Sub Reviewer

- ICML 2022
- ACML 2022
- CODS COMAD 2022

## Teaching

### Teaching Assistant

2022 Summer Institute in Computational Social Science (SICSS)  
Handled tutorials, hands-on sessions and guest lectures  
*IIIT Hyderabad*

## Awards & Honors

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2020	NeurIPS, ICML and ACL Travel Grant
2020	Accepted into RegML Summer School
2021	Received Udacity Intel AI Scholarship

## Miscellaneous

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### Languages

Hindi	Native
English	CBSE 12th Standard
French	CBSE 10th Standard

## Glossary

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These are the meanings of the symbols used throughout this document:

-  Indicates that a publication is open-access
-  Link to a code repository on GitHub
-  Link to an open-access PDF, usually a preprint or postprint
-  Link to a video on YouTube
-  Link to a data archive
-  Link to presentation slides
-  Link to a poster