

# 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

## References








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Dr. Ponnuram Kumaraguru	Professor at IIIT Hyderabad
Dr. Monojit Choudhury	Principal Applied Scientist at Microsoft (Turing) India
Dr. Saptarshi Ghosh	Assistant Professor at IIT Kharagpur
Dr. Charu Sharma	Assistant Professor at IIIT Hyderabad

## 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