

# Anmol Goel

Last updated: November, 2022

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Natural Language Processing

Computational Social Science

Causal Inference

## Education

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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

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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.

Dec'21  
Jan'22     –     **Visiting Researcher - Koo**  
Bengaluru, India  
Worked with industry-scale data to generate insights for driving engagement on the Koo social network. I was involved in planning experiments and brainstorming sessions to improve the Koo platform.

Jan'20  
May'20     –     **Research Intern - IIIT Delhi**  
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  
Aug'19     –     **Research Intern**  
Wellwise  
Advised by Dr. Saher Mehdi  
Developed large scale medical domain NLP and graph based algorithms for disease diagnosis.

May'18  
Jun'18     –     **Summer Intern**  
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

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### Conference Proceedings

- 2022 **Anmol Goel**, Charu Sharma, Ponnuram 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, Ponnuram 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, Ponnuram 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, Ponnuram 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, Ponnuram 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**, Ponnuram 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**, Ponnuram 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, Ponnuram 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

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### 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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2022      EMNLP Travel Grant worth \$1500 USD  
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            TOEFL (R: 26, L: 29, S: 28, W: 28)

## References

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Dr. Ponnurangam 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