

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.

Dec'21 – **Visiting Researcher - Koo**
Jan'22 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 – **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, 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

Teaching Assistant

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

Awards & Honors

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

Languages

Hindi Native
English TOEFL (R: 26, L: 29, S: 28, W: 28)

References

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