

Education

- **Indian Institute of Technology, Bombay** June 2017 - Present
M.Tech. + Ph.D. Dual Degree, Department of Computer Science
Advisors: [Prof. Sunita Sarawagi](#) and [Prof. Soumen Chakrabarty](#) GPA: 9.88/10
- **Indian Institute of Technology, Mandi** 2010 - 2014
B.Tech. Department of Computer Science GPA: 8.34/10

Research Interests

- Domain Robustness, Out-of-domain Generalization, Domain Transfer, Supervised Robustness.
- **Research Focus:** Algorithms that generalize and adapt to new domain(s) with limited resources.

Publications

1. **V Piratla**, S Shankar, "[Untapped Potential of Data Augmentation: A Domain Generalization Viewpoint](#)" *ICML 2020 Workshop on Uncertainty & Robustness in Deep Learning*.
2. S Shah, **V Piratla**, S. Sarawagi, S. Chakrabarti, "[NLP Service APIs and Models for Efficient Registration of New Clients](#)" *Under review at Empirical Methods in Natural Language Processing (EMNLP), 2020*.
3. **V Piratla**, P Netrapalli, S Sarawagi, "[Efficient Domain Generalization via Common-Specific Low-Rank Decomposition](#)" *International Conference on Machine Learning 2020*
4. **V Piratla**, S Sarawagi, S Chakrabarti, "[Topic Sensitive Attention on Generic Corpora Corrects Sense Bias in Pretrained Embeddings](#)" *Annual Meeting of the Association for Computational Linguistics (ACL) 2019 (Oral)*
5. A Awasthi, S Sarawagi, R Goyal, S Ghosh, **V Piratla**, "[Parallel iterative edit models for local sequence transduction](#)" *Empirical Methods in Natural Language Processing (EMNLP), 2019*
6. S Shankar*, **V Piratla***, S Chakrabarti, S Chaudhuri, P Jyothi, S Sarawagi, "[Generalizing Across Domains via Cross-Gradient Training](#)" *International Conference on Learning Representations 2018* [Shared first author]

Scholastic Achievements

- I am one of the 16 global recipients of [Google PhD fellowship](#) in Machine Learning in 2020.
- Google, Microsoft travel grants to present at ACL 2019; ICLR 2018 Travel Award.
- Department Rank one among 100 students in the M.Tech computer science batch of 2019.
- I represented IIT Mandi, as a member of a team, in ACM International Collegiate Programming Contest 2012-13 Kharagpur and 2013-14 Kanpur regional.
- I was among the top students qualified from my region for the Indian National Mathematical Olympiad (INMO) after clearing Regional Mathematical Olympiad (RMO) '09 with a state rank of 26.
- I was part of a team that won the first-prize in Design Practicum course open-house in 2012 for the project "Touch Screen Projector" among 20 other teams.
- I received various scholarships that waived my tuition fees for five years during my schooling

Experience

- Intern Aug'19 - Nov'19
Mentor: Dr. Praneeth Netrapalli *Microsoft Research, India*
Worked on algorithms that enable efficient transfer and generalization to new domains.
- Research Member Staff June'14 - Feb'16
Mentor: Dr. Sudheendra Hangal *Amuse Labs*
Worked on a digital archival project called [ePADD](#) and developed the following features. (1) A fine-grained entity recognizer robust to domain shifts from different archives using Binomial Mixture Models and Distant Supervision. (2) Cross document co-referencing and entity linking using context cues.

Other Academic Experience

- **Student Volunteer:** ICML 2020, ACL 2019
- **Reviewer:** ICML 2021, AAAI 2020, IEEE Transactions on Multimedia
- **Teaching Assistant:** Advanced Machine Learning, Digital Image Processing, Organization of Web Information.