

Vihari Piratla
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<https://github.com/vihari>

Education

- **Indian Institute of Technology Bombay** July 2017 - Present
Ph.D. Department of Computer Science Overall GPA: 9.88/10
- **Indian Institute of Technology Mandi** 2010 - 2014
B.Tech. Department of Computer Science Overall GPA: 8.34/10

Research Interests

- Information Extraction and Text Mining, Information Retrieval, Knowledge Representation, Representation Learning, Natural Language Processing, Machine Learning
- **Research Focus:** Study on learning algorithms and representations to generalize or adapt to new domain(s) with limited resources.

Publications

- **V Piratla**, S Sarawagi, S Chakrabarti, "Latent Cross-Gradients for Domain Generalization under Noisy Supervision" [Under review at NeurIPS 2019]
- **V Piratla**, S Sarawagi, S Chakrabarti, "[Topic Sensitive Attention on Generic Corpora Corrects Sense Bias in Pretrained Embeddings](#)" Oral at ACL 2019
- S Shankar*, **V Piratla***, S Chakrabarti, S Chaudhuri, P Jyothi, S Sarawagi, "[Generalizing Across Domains via Cross-Gradient Training](#)" ICLR 2018 [Shared first author]
- S Hangal, **V Piratla**, C Manovit, P Chan, M Lam, G Edwards, "[Historical Research Using Email Archives](#)" CHI 2015 Case Studies

Scholastic Achievements

- 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

- Project Staff Oct'16 - July'17
IIT Bombay
- Research Member Staff June'14 - Feb'16
Amuse Labs
- Research Intern June'13 - Aug'13
GE Global Research

Development Experience

- **Stanford University's ePADD Project** Aug'14 - Feb'16
Stanford University Libraries
- Developed a Fine-grained entity recognition system robust to domain shifts across email archives. The approach used binomial mixture models trained with distant supervision.
- Contributed to ePADD, a feature that links entity mentions across email documents and to DBpedia using context cues.

Skills

- **Programming & Scripting:** Java, Python, C, Shell Scripting, PERL
- **Technologies :** Spring, HTML, CSS, JavaScript, Lucene
- **Programming Libraries:** Tensorflow, NumPy
- **Languages:** Telugu (Native), English (Proficient), Hindi (Intermediate)