Vihari Piratla
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Education

- **Indian Institute of Technology Bombay** *June 2019 - Present*
  Ph.D. Department of Computer Science
- **Indian Institute of Technology Bombay** *2017 - 2019*
  M.Tech. Department of Computer Science GPA: 9.75/10
- **Indian Institute of Technology Mandi** *2010 - 2014*
  B.Tech. Department of Computer Science GPA: 8.34/10

Research Interests

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

Publications

- **V Piratla**, P Netrapalli, S Sarawagi, "Efficient Domain Generalization via Common-Specific Low-Rank Decomposition" [Under review at ICML]
- **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

- Intern Aug'19 - Nov'19
  Microsft Research, India
- 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.