

Ayush Maheshwari

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Education

Indian Institute of Technology Bombay

Ph.D. (CSE)

Advisors: [Prof. Ganesh Ramakrishnan](#) & [Prof. Manjesh K. Hanawal](#)

India

2019–Present

Tata Institute of Social Sciences

M.Sc.

Mumbai, India

2013–2015

University College of Engineering

B.Tech. (CSE)

Rajasthan Technical University Kota, India

2007–2011

Research Interests

- Develop machine learning based methods that generalize to new domains with limited resources.
- Semi-supervised learning, subset selection, data programming

Publications

1. Chatterjee, S*, Maheshwari A.*, Ramakrishnan, G. & Jagaralpu S. (2021). **Joint Learning of Hyperbolic Label Embeddings for Hierarchical Multi-label Classification**. To appear at European Chapter of the Association for Computational Linguistics (EACL) 2021
2. Maheshwari, A., Chatterjee, O., Killamsetty, K., Iyer, R., & Ramakrishnan, G. (2020). **Data Programming using Semi-Supervision and Subset Selection** arXiv preprint arXiv:2008.09887.
3. Saluja, R., Maheshwari, A., Ramakrishnan, G., Chaudhuri, P., & Carman, M. (2019). **OCR On-the-Go: Robust End-to-end Systems for Reading License Plates & Street Signs**. In 2019 International Conference on Document Analysis and Recognition (ICDAR) (pp. 154–159).
4. Maheshwari, A., Goyal, A., Kumar, A., Hanawal, M., & Ramakrishnan, G. (2019). **Representation Learning on Graphs by Integrating Content and Structure Information**. In 2019 11th International Conference on Communication Systems & Networks (COMSNETS) (pp. 88–94).
5. Maheshwari, A., Patel, H., Rathod, N., Kumar, R., Ramakrishnan, G., & Bhattacharyya, P. (2019). **Tale of tails using rule augmented sequence labeling for event extraction** In 2020 Ninth International Workshop on Statistical Relational AI at the 34th AAAI Conference on Artificial Intelligence (AAAI)
6. Maheshwari, A., Goyal, A., Hanawal, M., & Ramakrishnan, G. (2019). **DynGAN: Generative Adversarial Networks for Dynamic Network Embedding**. In Graph Representation Learning

Workshop at NeurIPS 2019.

7. Maheshwari, A., Kumar, V., Ramakrishnan, G., & Nath, J. (2018). **Entity Resolution and Location Disambiguation in the Ancient Hindu Temples Domain using Web Data.** In Proceedings of the 2018 Conference of the North American Chapter of the Association for Computational Linguistics: Demonstrations (pp. 46–50).
8. Maheshwari, A., Murari, K., & Jayaraman, T. (2019). **Peak Electricity Demand and Global Warming in the Industrial and Residential areas of Pune: An Extreme Value Approach** arXiv preprint arXiv:1908.08570.

Experience

NCETIS, IIT Bombay

Project Engineer

Mumbai

2016–2018

Water & Climate Lab, IIT Gandhinagar

Junior Research Fellow

2015–2016

Tata Consultancy Services

Systems Engineer

Mumbai

2011–2013