

Priyansh Trivedi

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Education

M. Sc (Computer Science)

[Universität Bonn](#), Germany

2016 - 2019

Grade: 1.3

Thesis: *Domain Adversarial Training for Recurrent Language Models* mentored by Prof. Jens Lehmann, and Jun. Prof. Asja Fischer

B. Tech (ICT)

[Dhirubhai Ambani Institute of Information and Communication Technology](#), India

2012-2016

Grade: 8.36 (/10)

Thesis: *Topic Sequence Alignment based Document Similarity Framework* mentored by Asst. Prof. Sourish Dasgupta

Research Interests

Natural Language Processing, Deep Learning, Question Answering over Knowledge Graphs, Transfer Learning for Text, Natural Language Generation, Semantic Web

Publications

Gaurav Maheshwari*, Priyansh Trivedi*, Denis Lukovnikov*, Nilesh Chakraborty, Asja Fischer, and Jens Lehmann. "Learning to Rank Query Graphs for Complex Question Answering over Knowledge Graphs." In **International Semantic Web Conference**, Springer, Cham, 2019.

Priyansh Trivedi*, Gaurav Maheshwari*, Mohnish Dubey, and Jens Lehmann. "Lc-quad: A corpus for complex question answering over knowledge graphs." In **International Semantic Web Conference**, pp. 210-218. Springer, Cham, 2017.

Gaurav Maheshwari, Priyansh Trivedi, Harshita Sahijwani, Kunal Jha, Sourish Dasgupta, and Jens Lehmann. "Simdoc: Topic sequence alignment based document similarity framework." In Proceedings of the **Knowledge Capture Conference**, p. 16. ACM, 2017.

Collarana, Diego, Timm Heuss, Jens Lehmann, Ioanna Lytra, Gaurav Maheshwari, Rostislav Nedelchev, Thorsten Schmidt, and Priyansh Trivedi. "A question answering system on regulatory documents." In Proceedings of the 31st international conference on Legal Knowledge and Information Systems (**JURIX**). 2018.

Other Contributions / Talks

- **Co-Organized Tutorial** at ESWC 2018 (June), and ESWC 2019 (June): Build a Question Answering System Overnight
 - [Link](#)
- **Oral Paper Presentation** at ISWC 2017: LC-QuAD: A corpus for Complex Question Answering over Knowledge Graphs.
 - [Presentation Link](#) | [Talk Link](#)
- **Poster** at ISWC 2017: How to Revert Question Answering on Knowledge Graphs
 - [Poster Link](#)

Professional Experience / Internships

- **Research Engineer:** Fraunhofer IAIS, Dresden
 - June 2019 - Ongoing
 - Academic and Industrial research on Dialogue Systems
- **Student Research Assistant:** Fraunhofer IAIS, Sankt Augustin
 - Sept 2017 - May 2019
 - Academic research on Question Answering over Knowledge Graphs
 - Industrial research involving Reading Comprehension, Text Classification, Dialog Systems.
- **Student Research Assistant:** Smart Data Analytics Lab, Universität Bonn.
 - Sept 2016 - Sept 2017
 - Mentored by Prof. Dr. Jens Lehmann
 - Academic research on Question Answering over Knowledge Graphs
- **Co-Founder:** Rygbee Pvt Ltd, India (now [Rygbee Inc., Delaware, USA](#))
 - March 2015 – March 2016
 - Notable Feats
 - Unsupervised learning over 1.1 million documents
 - Implement, Adapt [SimDoc](#) for document similarity and clustering
 - Distributed and Parallel crawler
 - Micro-service architecture based deployment on cloud
 - Application level and OS level Database Optimizations
- **Research Internship:** Knowledge Discovery & Management Lab, DA-IICT
 - May 2015 - Sept 2015
 - Mentored by Prof. Sourish Dasgupta
 - Outcome: Encoding and similarity measure for Description Logics (ALCH+) concepts. Distributable.
- **Rural Internship:** Himalayan Institute for Environment, Ecology & Development
 - Dec 2013 - Jan 2014
 - Mentored by Prof. B. N. Hiremath
 - Volunteer work for an NGO: HIFEED situated in Ranichauri, New Tehri, India.

Pre-Print Manuscripts

Dasgupta, Sourish, et al. "Formal Ontology Learning from English IS-A Sentences." *arXiv preprint arXiv:1802.03701* (2018).

Dasgupta, Sourish, Gaurav Maheshwari, and Priyansh Trivedi. "BitSim: An Algebraic Similarity Measure for Description Logics Concepts." *arXiv preprint arXiv:1503.05667* (2015).