

Ashwini Vaidya

Curriculum Vitae

MS 615B
IIT Delhi Campus
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📄 [ashwinivd.github.io](https://github.com/ashwinivd)

Education and Employment

- Jul 2018–present **Assistant Professor**, *IIT Delhi*, Dept of Humanities and Social Sciences.
Linguistics Unit
- Feb 2016–Feb 2018 **Post-doctoral fellow**, *IIT Delhi*, Dept of Elect. Engg.
Funded by DST-CSRI: Cognitive Science Research Initiative
- Oct 2015–Jan 2016 **Research staff**, *IIT Delhi*, Dept of Computer Science.
DAIR Lab
- 2009–2015 **PhD**, *University of Colorado*, Boulder.
Linguistics and Cognitive Science (Joint PhD, Institute of Cognitive Science)
- 2006–2009 **M.Phil.**, *International Inst. of Information Technology*, Hyderabad.
Computational Linguistics
- 2003–2005 **M.A.**, *University of Mumbai*, Mumbai, 71.25%, First class.
Linguistics
- 2000–2003 **B.A.**, *St. Xavier's College*, Mumbai, 62%, First class.
English

Awards and Fellowships

- Feb 2016–Feb 2018 **Dept of Science and Technology, Cognitive Science Research Initiative**, *Processing of Complex Event structures in Hindi*, Post-doctoral fellowship and Research Grant, ₹18,5600.
- Oct 2013–July 2014 **DAAD Research Grant**, *Deutscher Akademischer Austausch Dienst Research Grant*, 10 month stay at University of Konstanz, Germany, Topic: Light verbs in TAG and LFG.
€7500
- Sep 2014–Jan 2015 **Graduate School Dissertation Completion Fellowship**, *Funding for a semester of dissertation writing*, University of Colorado, Boulder.
\$ 10,186.09
- March 2016–March 2019 **UGC Post-doctoral Fellowship for Women**, *Awarded, but declined*.

2003–2005 **University of Mumbai**, *The President of India, Dr Shanker Dayal Sharma Gold Medal.*

Excellence in academics and extracurricular activities at the MA level

2000–2001 **St. Xavier's College**, *The Parsi Association, D.K Kamdin and A.G Ghanrai scholarship.*

For academic proficiency and all-round merit

Work Experience

Sep 2009–May 2013 **Graduate Research Assistant**, *University of Colorado, Boulder*, NSF Project.

A Multi-Representational and Multi-Layered Treebank for Hindi & Urdu

Sep 2012–Jan 2013 **Graduate Research Assistant**, *University of Colorado, Boulder*, DARPA project.

BOLT: Broad Operational Language Translation

July 2005–July 2006 **Senior Editor**, Webaroo Technologies.
Mumbai

Teaching Experience

July 2017 **Tutorial**, *Corpora and Computational Linguistics, Introduction to Python programming.*

QIP-CEP Workshop on Empirical and Experimental Methods in Linguistics, IIT Delhi

Jan 2016–May 2016 **Fundamentals of Language Sciences**, *IIT Delhi*, Dept of Humanities and Social Sciences.

Guest Faculty

Nov 2016 **Computational Perception and Cognition**, *IIT Delhi*, Dept of EE.

Guest Lecturer

Aug 2005–Dec 2005 **Language, Semiotics and Media**, *Dept of Applied Linguistics*, Shreemati Nathibai Damodar Thackersey Women's University, Mumbai.

Guest Faculty

December 2012 **Conference Tutorial**, *New Frontiers in Hindi and Urdu Natural Language Processing*, COLING 2012.

Presented and co-organized with Owen Rambow, Dipti Misra Sharma

Thesis/Project Supervision

IIT Delhi

2016-17 Dhruvin Patel, co-supervisor for MTech thesis with Sumeet Agarwal

2016-17 Shantanu Kumar, co-supervisor for BTP project with Sumeet Agarwal. Project nominated for the Rajiv Bambewale cash prize

2017 Shaurya Shankar and R. Satvik Reddy, co-supervisor for Part-1 BTP project with Sumeet Agarwal

Publications

Ashwini Vaidya, Owen Rambow, and Martha Palmer. Syntactic composition and selectional preferences in Hindi Light verb constructions. *Accepted with minor revisions, in Linguistic Issues in Language Technology*

Articles and Book Chapters

Riyaz Ahmad Bhat, Rajesh Bhatt, Annahita Farudi, Prescott Klassen, Bhuvana Narasimhan, Martha Palmer, Owen Rambow, Dipti Misra Sharma, Ashwini Vaidya, Sri Ramagurumurthy Vishnu, and Fei Xia. *Handbook of Linguistic Annotation*, chapter The Hindi/Urdu Treebank Project. Springer, 2017.

Ashwini Vaidya, Samar Husain, and Prashanth Mannem. A karaka based dependency scheme for English. In *Lecture Notes in Computer Science, Vol 5449. pp. 41-52 (2009) Springer-Verlag*, 2009.

Refereed Conference Proceedings

Himanshu Yadav, Ashwini Vaidya, and Samar Husain. Understanding constraints on non-projectivity using novel measures. In *Proceedings of DEPLING 2017*, 2017.

Himanshu Yadav, Ashwini Vaidya, and Samar Husain. Keeping it Simple: Generating Phrase Structure Trees from a Hindi Dependency Treebank. In *Proceedings of the 15th International Workshop on Treebanks and Linguistic Theories (TLT-15)*, 2017.

Ashwini Vaidya, Sumeet Agarwal, and Martha Palmer. Linguistic features for Hindi light verb construction identification. In *Proceedings of COLING 2016: Technical papers*, 2016.

Maaz Anwar Nomani, Riyaz Ahmad Bhat, Dipti Misra Sharma, Ashwini Vaidya, Martha Palmer, and Tafseer Ahmed. A Proposition Bank of Urdu. In *Proceedings of LREC 2016*, 2016.

Ashwini Vaidya, Jinho D. Choi, Martha Palmer, and Bhuvana Narasimhan. Empty Argument Insertion in the Hindi PropBank. In *Proceedings of the Eighth International Conference on Language Resources and Evaluation - LREC-12, Istanbul*, 2012.

Archana Bhatia, Rajesh Bhatt, Bhuvana Narasimhan, Martha Palmer, Owen Rambow, Dipti Misra Sharma, Michael Tepper, Ashwini Vaidya, and Fei Xia. Empty Categories in a Hindi Treebank. In *Proceedings of the 7th International Conference on Language*

Resources and Evaluation (LREC'10), pages 1863–1870, 2010.

Refereed Workshop Proceedings

Sebastian Sulger and Ashwini Vaidya. Towards Identifying Hindi/Urdu Noun Templates in Support of a Large-Scale lfg Grammar. In *Proceedings of the Fifth Workshop on South and Southeast Asian Natural Language Processing at COLING 2014*, 2014.

Riyaz Ahmad Bhat, Naman Jain, Dipti Misra Sharma, Ashwini Vaidya, Martha Palmer, James Babani, and Tafseer Ahmed. Adapting Predicate Frames for Urdu PropBanking. In *Proceedings of the EMNLP Workshop on Language Technology for Closely Related Languages and Language Variants*, 2014.

Ashwini Vaidya, Owen Rambow, and Martha Palmer. Light verb constructions with ‘do’ and ‘be’ in Hindi: A TAG Analysis. In *Proceedings of the Workshop on Lexical and Grammatical Resources for Language Processing at COLING 2014*, 2014.

Ashwini Vaidya, Martha Palmer, and Bhuvana Narasimhan. Semantic roles for nominal predicates: Building a lexical resource. In *Proceedings of the 9th Workshop on Multi-word Expressions, NAACL-13*, 2013.

Ashwini Vaidya, Jinho D. Choi, Martha Palmer, and Bhuvana Narasimhan. Analysis of the Hindi proposition bank using dependency structure. In *Proceedings of the 5th Linguistic Annotation Workshop - LAW V '11*, 2011.

Jena D. Hwang, Archana Bhatia, Claire Bonial, Aous Mansouri, Ashwini Vaidya, Nianwen Xue, and Martha Palmer. PropBank Annotation of Multilingual Light Verb Constructions. In *Proceedings of the Linguistic Annotation Workshop held in conjunction with ACL-2010*, 2010.

Abstracts

Vishakha Shukla, Himanshu Yadav, Ashwini Vaidya and Samar Husain. A crosslinguistic corpus study of crossing dependencies using psycholinguistically motivated measures. To be presented at the CUNY Sentence Processing Conference, 2018

Eva Wittenberg and Ashwini Vaidya. Peeling oranges in Hindi: Ergative case-marking as cue in real-time event construal. To be presented at SALA-Konstanz, June 2018 (South Asian Languages Roundtable)

Ashwini Vaidya and Eva Wittenberg. Frequency effects modulate argument sharing effects in Hindi LVCs. AMLaP-Asia, Hyderabad (Architectures and Mechanisms of Language Processing), 2018

Himanshu Yadav, Ashwini Vaidya, and Samar Husain. Handling non-projectivity in a Dependency to Phrase Structure conversion algorithm for Hindi. ICOLSI-39 (39th Annual Conference of the Linguistic Society of India), 2017

Shantanu Kumar, Ashwini Vaidya, and Sumeet Agarwal. Discovering cognates using LSTM networks. 4th Annual Conference of the Association of Cognitive Science, India 2017

Talks

- April 2017 **Linguistic Structure Prediction: the case of light verbs in Hindi** , *Invited Talk*.
SIGML (Special Interest Group on Machine Learning), IIT Kanpur
- November 2016 **Light verb constructions in Computational Grammars: LFG and TAG** , *Guest Lecture*.
LING 6250: Comparative Topics in Linguistics, University of Colorado, Boulder
- Jan 2016 **Panel discussion, IITD-NBRC Workshop**, with Pritha Chandra, Paroma Sanyal and Samar Husain.
'Mind Language and Society': Cognitive Perspectives on human behaviour
- September 2015 **Exploring Hindi Treebank and PropBank**, *Invited Talk*, Dept. of Sanskrit Studies.
Jawaharlal Nehru University, Delhi
- May 2015 **Semantic roles for Hindi causatives**, Workshop Presentation, Hindi Treebank Project Meeting.
University of Konstanz
- July 2011 **Analysis of the Hindi Proposition Bank using Dependency Structure**, *Invited Talk*, Linguistic Summer Institute.
Workshop on South Asian Languages: Formal Approaches and Computational Resources

Academic Service

- Training **AIIMS-CDSA Workshop on Ethics**, Dept of Pharmacology, AIIMS, New Delhi, Jan 2017
- CLARA Joint Training Programme on Treebanking**, Charles University, Prague, Dec 2010
- Linguistic Summer Institute**, University of Colorado, Boulder May 2011

Workshop organizer IIIT-Hyderabad **Advanced School on Natural Language Processing**,
May-June 2008

Reviewer Experience

Reviewing **ICON**: International Conference on Natural Language Processing, 2010-2016

International Conference on Computational Linguistics, 2012

Journal of Language Resources and Evaluation

ACM-TALLIP Transactions on. Asian and Low-Resource Language Information Processing

Program Committee **COLING**, 2018

List of Referees

Martha Palmer, *University of Colorado, Boulder.*
martha.palmer@colorado.edu

Bhuvana Narasimhan, *University of Colorado, Boulder.*
bhuvana.narasimhan@colorado.edu