

Ashwini Vaidya

Curriculum Vitae

MS 604D
IIT Delhi Campus
Hauz Khas, New Delhi
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Education and Employment

- Jul 2018–present **Assistant Professor**, *IIT Delhi*, Dept of Humanities and Social Sciences
- 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 2020–Feb 2023 **Science and Engineering Research Board, Core Research Grant**, *Behaviour based evaluation for reliable annotation in NLP*, Research Grant, ₹18,59220.
- 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

- July 2005–July 2006 **Senior Editor**, Webaroo Technologies.
Mumbai
- Aug 2005–Dec 2005 **Guest Faculty**, *Language, Semiotics and Media*, Dept of Applied Linguistics, Shreemati Nathibai Damodar Thackersey Women's University, Mumbai.

Teaching

- 2020-21 **Computational Models of Meaning**, *PG (PhD and MSc)*, IIT Delhi.
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- 2020-21 **Basics of Programming for Cognitive Science**, *PG (MSc)*, IIT Delhi.
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- 2020-21 **Language in the Mind**, *PG (MSc)*, IIT Delhi.
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- 2019-20 **Natural Language Understanding**, *PG (PhD)*, IIT Delhi.
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- 2018-19 **Mind, Machines and Language**, *UG*, IIT Delhi.
.
- 2019-20 **Language and Communication**, *UG*, IIT Delhi.
(co-taught)
- 2019-20 **Fundamentals of Language Sciences (co-taught)**, *UG*, IIT Delhi.
also as Guest Faculty in 2016
- 2018-20 **Research Methods in Linguistics**, *PG (PhD)*, IIT Delhi.
(co-taught)

Thesis/Project Supervision

IIT Delhi: PG

- 2020– Kanishka Jain, Supervisor
- 2023– Aakanksha Padhye, Supervisor

- 2023– Manish Kumar Verma , Co-supervisor (M.Sc.)
IIT Delhi: UG
- 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
- Outside IIT Delhi: UG
- 2020 Summer Research Fellowship Program organized by QIP-CEP, IITD with
Kushagra Bhatia and Divyanshu Aggarwal, Delhi Technological University

Publications

Articles and Book Chapters

Shantanu Kumar, Ashwini Vaidya and Sumeet Agarwal *Applied cognitive science and technology: Implications of interactions between human cognition and technology*, chapter Cognate Identification to Augment Lexical resources for NLP Springer, (2023)

Ashwini Vaidya and and Eva Wittenberg. Productivity and Argument Sharing in Hindi Light Verb constructions. *Journal of South Asian Linguistics, Vol 11, Issue 3 (2020)*

Himanshu Yadav, Ashwini Vaidya, Vishakha Shukla and Samar Husain Word order typology interacts with linguistic complexity: a cross-linguistic corpus study. *Cognitive Science, Vol 44, pp 1-44 (2020)*

Ashwini Vaidya, Owen Rambow, and Martha Palmer. Syntactic composition and selectional preferences in Hindi Light verb constructions. *Linguistic Issues in Language Technology, Vol 17:1 (2019)*

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

Nandana Sengupta, Ashwini Vaidya and James Evans. In Her Shoes: Gendered Labelling in Crowdsourced Safety Perceptions Data from India. In *In the Proceedings of the 2023 ACM Conference on Fairness, Accountability, and Transparency (FacCT)*, 2023.

Carlos Ramisch, Agata Savary, Bruno Guillaume, Jakub Waszczuk, Marie Candito, Ashwini Vaidya, Verginica Barbu Mititelu, Archna Bhatia, Uxoá IÃsurrieta, Voula Giouli, Tunga Gungor, Menghan Jiang, Timm Lichte, Chaya Liebeskind, Johanna Monti, Renata Ramisch, Sara Stymne, Abigail Walsh, Hongzhi Xu Edition 1.2 of the PARSEME shared task on semi-supervised identification of verbal multiword expressions In *Proceedings of the Joint Workshop on Multiword Expressions and Electronic Lexicons at COLING*, 2020

Richard Shallam and Ashwini Vaidya A measure for lexical complexity in Malayalam. In *Proceedings of ICON, Hyderabad*, 2019.

Carlos Ramisch, Silvio Ricardo Cordeiro, Agata Savary, Veronika Vincze, Verginica Barbu Mititelu, Archna Bhatia, Maja Buljan, Marie Candito, Polona Gantar, Voula Giouli, Tunga GÃijngÃúr, Abdelati Hawwari, Uxoá IÃsurrieta, Jolanta KovalevskaitÄ, Simon Krek, Timm Lichte, Chaya Liebeskind, Johanna Monti, Carla Parra EscartÄrjn, Behrang QasemiZadeh, Renata Ramisch, Nathan Schneider, Ivelina Stoyanova, Ashwini Vaidya and Abigail Walsh. Edition 1.1 of the PARSEME Shared Task on Automatic Identification of Verbal Multiword Expressions. In *Proceedings of the LAW-MWE-CxG workshop at COLING*, 2018

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

Bhatia Kushagra, Divyanshu Aggarwal and Ashwini Vaidya. Fine-tuning distributional semantic models for closely related languages. In the *Proceedings of VarDial- Eighth Workshop on NLP for Similar Languages, Varieties and Dialects at EACL*, 2021

Sebastian Sulger and Ashwini Vaidya. Towards Identifying Hindi/Urdu Noun Templates in Support of a Large-Scale Ifg 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.

Workshops

Organizer/Co-organizer

- August 2021 **17th Workshop on Multiword Expressions (MWE 2021)**, *Co-Organizer*.
Co-located at ACL 2021, Bangkok, Thailand, August 6th 2021 (held online)
- December 2020 **16th Joint Workshop on Multiword Expressions and Electronic Lexicons (MWE 2020)**, *Co-Organizer*.
Co-located at COLING 2020, Barcelona, Spain, December 13th 2020 (held online)
- December 2019 **Verbal Multiwords in Indian Languages**, *Organizer*.
Co-located at ICON 2019, IIIT Hyderabad
- December 2012 **New Frontiers in Hindi and Urdu Natural Language Processing**, *Presented and co-organized with Owen Rambow, Dipti Misra Sharma*, Conference Tutorial, COLING 2012.
- May 2008 **Advanced School on Natural Language Processing**, Student organizer, IIIT-Hyderabad.

Invited Talks

- June 2023 **Summer School in Computational Linguistics**, *Invited Talk and Practical Session*, (<https://data.ldcil.org/sscl23/>).
Central Institute of Indian Languages, Mysore
- May 2019 **Introduction to Computational Linguistics**, *Invited Talk*.
Dept of Linguistics, University of Delhi
- December 2018 **Experiment Design and Analysis in Linguistics**, *Invited Speaker*.
University of Mumbai, Department of Linguistics
- June 2018 **Corpora and Computational Linguistics**, *Invited Speaker*, QIP-CEP.
2nd Workshop on Experimental and Empirical Methods in Linguistics, IIT BHU
- July 2017 **Corpora and Computational Linguistics**, *Invited Speaker*, QIP-CEP.
1st Workshop on Experimental and Empirical Methods in Linguistics, IIT Delhi
- April 2017 **Linguistic Structure Prediction: the case of light verbs in Hindi**, *Invited Talk*.
SIGML (Special Interest Group on Machine Learning), IIT Kanpur

- Jan 2016 **Mind, Language and Society: Cognitive Perspectives on human behaviour**, *Panel discussion*, with Pritha Chandra, Paroma Sanyal and Samar Husain.
IITD-NBRC Workshop
- November 2016 **Light verb constructions in Computational Grammars: LFG and TAG**, *Guest Lecture*.
LING 6250: Comparative Topics in Linguistics, University of Colorado, Boulder
- September 2015 **Exploring Hindi Treebank and PropBank**, *Invited Talk*, Dept. of Sanskrit Studies.
Jawaharlal Nehru University, Delhi

Academic Service

International

- Standing Committee member ACM-SIGLEX-MWE (Special Interest Group on the Lexicon, Multi-word Expressions), 2019-20

IIT Delhi

- Organizing committee **HSS Tuesday Seminar**, 2018-20
Dept. representative **MSc. Cognitive Science Program Co-ordinator**, 2023-24
- Department committee **Post-doctoral fellows committee**, 2019-20
- Department committee **Cognitive and Behavioural sciences Lab co-ordinator**, 2019-2021
- Department committee **Space committee**, 2020-21
- Department committee **DRC member** 2022-24
- Department committee **Faculty Search Committee** 2022-23
Dept representative **Computer Users Committee**, 2020-21
- HSS Dept representative **IITD Open House**, 2019
- Institute Representative **GATE Exam** Feb 2019
- Training **AIIMS-CDSA Workshop on Ethics**, Dept of Pharmacology, AIIMS, New Delhi, Jan 2017

University of Colorado

- CLARA Joint Training Programme on Treebanking**, Charles University, Prague, Dec 2010
- Linguistic Summer Institute**, University of Colorado, Boulder May 2011

Outreach

- Alumni Panel Discussion on Vision 2050 for IIIT-H**, IIIT-Hyderabad, Sep 2023, <https://www.youtube.com/watch?v=opPT95UPX3E>

Reviewer Experience

- Area Chair, Low-resourced and less-studied languages **International Conference on Computational Linguistics (COLING)**, 2022
- Program Committee **International Conference on Computational Linguistics (COLING)**, 2018, 2020, 2022
- Program Committee **Association of Computational Linguistics Conference (ACL)**, 2021
- Program Committee **Empirical Methods in Natural Language Processing (EMNLP)**, 2021
- Program Committee **South Asian Forum on the Acquisition and Processing of Language**, 2020, 2021
- Area Chair, Syntax and Semantics **International Conference on Natural Language Processing**, 2020, 2022
- Reviewer **ICON: International Conference on Natural Language Processing**, 2010-2016
- Reviewer **International Conference on Computational Linguistics**, 2012
- Reviewer **Journal of Language Resources and Evaluation**
- Reviewer **ACM-TALLIP Transactions on Asian and Low-Resource Language Information Processing**
- Reviewer **Linguistics Vanguard**, 2021

Referees

Available on request