

SHIKHAR VASHISHTH

CONTACT INFORMATION	MALL Lab, CDS, Indian Institute of Science, Bangalore	<i>Email:</i> shikhar@iisc.ac.in <i>Links:</i> Webpage , Scholar , Github
EDUCATION	Indian Institute of Science , Bangalore, India Google PhD Fellow at <i>Dept. of Computer Science and Automation</i> Advisors: Partha Talukdar , Chiranjib Bhattacharyya , Manaal Faruqui [To submit thesis by Nov. 2019] Birla Institute of Technology and Science, Pilani , Pilani, India <i>M.Sc.(Tech.) Information Systems</i> With Distinction, Rank #1 in branch	2016-Present GPA: 9.1/10 2012-2016 GPA: 9.18/10
WORK EXPERIENCE	Google Research , New York, NY, USA <i>Research Intern, Google Assistant Team</i> ADAPT Lab , BITS Pilani, India <i>Undergraduate Thesis</i> (Advisor: Navneet Goyal) Worked on designing a hybrid algorithm for Principal Components Analysis (PCA). Microsoft IDC , Hyderabad, India <i>SDE Intern, Microsoft Office Team</i> Worked on integrating Google Sign-in in Office android apps for reducing user friction. CMC Ltd , Mumbai, India <i>SDE Intern, Java and Web Development Team</i> Worked with LEARN team on enhancing interactivity of project's web pages.	05/19 - Present 01/16 - 05/16 05/15 - 07/15 05/14 - 07/14
PUBLICATIONS	<u>Shikhar Vashishth</u> , M. Bhandari, P. Yadav, P. Rai, C. Bhattacharyya, P. Talukdar. “ Incorporating Syntactic and Semantic Information in Word Embeddings using Graph Convolutional Networks “, Proceedings of Association of Computational Linguistics (ACL 2019), Florence, Italy. P. Yadav, M. Nimishakavi, N. Yadati, <u>Shikhar Vashishth</u> , A. Rajkumar, P. Talukdar. “ Lovasz Convolutional Networks “. Proceedings of International Conference on Artificial Intelligence and Statistics (AISTATS 2019), Naha, Okinawa, Japan. <u>Shikhar Vashishth</u> *, P. Yadav*, M. Bhandari*, P. Talukdar. “ Confidence-based Graph Convolutional Networks for Semi-Supervised Learning “. Proceedings of International Conference on Artificial Intelligence and Statistics (AISTATS 2019), Naha, Okinawa, Japan. <u>Shikhar Vashishth</u> , R. Joshi, S. P. Suman, C. Bhattacharyya, P. Talukdar. “ RESIDE: Improving Distantly-Supervised Neural Relation Extraction using Side Information “, Proceedings of Conference on Empirical Methods in Natural Language Processing (EMNLP 2018), Brussels, Belgium. <u>Shikhar Vashishth</u> , S. S. Dasgupta, S. N. Ray, P. Talukdar. “ Dating Documents using Graph Convolution Networks “, Proceedings of Association of Computational Linguistics (ACL 2018), Melbourne, Australia.	

	<p><u>Shikhar Vashishth</u> P. Jain, P. Talukdar. “CESI: Canonicalizing Open Knowledge Bases using Embeddings and Side Information”. Proceedings of The Web Conference 2018 (WWW 2018), Lyon, France. [Acceptance Rate: 14.8 %]</p> <p>Y. Sinha, <u>Shikhar Vashishth</u>, K Hari Babu. “Meticulous Measurement of Control Packets in SDN”. Proceedings of ACM Symposium on SDN Research, (SOSR 2017), Santa Clara, CA.</p> <p><u>Shikhar Vashishth</u>, Y. Sinha, K Hari Babu. “Addressing Challenges in Browser Based P2P Content Sharing Framework Using WebRTC”. Proceedings of 30th IEEE International Conference on Advanced Information Networking and Applications, (AINA 2016), Switzerland.</p> <p>Y. Sinha, <u>Shikhar Vashishth</u>, K Hari Babu. “Real Time Monitoring of Packet Loss in Software Defined Networks”. Proceedings of International Conference on Ubiquitous Communications and Network Computing 2017.</p> <p>Y. Sinha, <u>Shikhar Vashishth</u>, K Hari Babu. “Estimation of raw packets in SDN”. Proceedings of International Conference on Ubiquitous Communications and Network Computing 2017.</p> <p><u>Shikhar Vashishth</u>, Y. Sinha, K Hari Babu. “A Browser-based Distributed Framework for Content Sharing and Student Collaboration”. Proceedings of 4th International Conference on Advanced Computing, Networking, and Informatics.</p>
SKILLS	<p>Programming Languages: Python, C, C++, Java, R, MatLab, JavaScript, NodeJS</p> <p>Tools and Systems: TensorFlow/Pytorch, Open-GL/MP/CV, MPI, Linux, Git</p>
POSITION OF RESPONSIBILITY	<p>Tutorial: Graph-based Deep Learning in Natural Language Processing <i>2019 Conference on Empirical Methods in Natural Language Processing</i> [Upcoming]</p> <p>Reviewer for ACL, EMNLP, ICLR, CoNLL, Neurocomputing Journal, Natural Language Engineering. 2019</p> <p>Teaching Assistant for Algorithms and Programming Fall 2018 Indian Institute of Science, Bangalore.</p> <p>Teaching Assistant for Data mining Spring 2019 Birla Institute of Science and Technology, Pilani.</p> <p>Techno team head at Nirmaan Organization Fall 2014 Supervised team in online and on campus publicity of Nirmaan.</p>
HONORS AND AWARDS	<ul style="list-style-type: none"> • Recipient of Google India PhD Fellowship 2018. • Microsoft Research grant for attending ACL 2018, Melbourne. • Google Travel grant for attending WWW 2018, Lyon, France. • BITSAA Travel grant for attending AINA 2016, Switzerland. • Secured 49th rank (top 0.04%) in GATE 2016 CSIT. • Qualified for ACM ICPC 2014 Kharagpur regionals.

- Secured 8,848 rank (top 1.8%) in IIT-JEE
- Secured 4,334 rank (top 0.74%) in AIEEE