

# SHIKHAR VASHITHTH

---

|                     |   |  |
|---------------------|---|--|
| CONTACT INFORMATION | MALL Lab, CDS,<br>Indian Institute of Science, Bangalore  | <i>Email:</i> <a href="mailto:shikhar@iisc.ac.in">shikhar@iisc.ac.in</a><br><i>Links:</i> <a href="#">Webpage</a> , <a href="#">Scholar</a> , <a href="#">Github</a> |
| EDUCATION           | <b>Indian Institute of Science</b> , Bangalore, India<br><b>PhD Student</b> at <i>Dept. of Computer Science and Automation</i><br>Advised by <a href="#">Dr. Partha P. Talukdar</a> and <a href="#">Prof. Chiranjib Bhattacharyya</a>   | 2016-Present<br>GPA: 9.1/10  |
|                     | <b>Birla Institute of Technology and Science, Pilani</b> ; Pilani, India<br><i>M.Sc.(Tech.) Information Systems</i><br>With Distinction, Rank #1 in branch  | 2012-2016<br>GPA: 9.18/10  |
| WORK EXPERIENCE     | <b>ADAPT Lab</b> , BITS Pilani, India<br><i>Undergraduate Thesis</i> (Advisor: <a href="#">Prof. Navneet Goyal</a> )<br>Worked on designing a hybrid algorithm for Principal Components Analysis (PCA).   | Jan 2016 - May 2016  |
|                     | <b>Microsoft IDC</b> , Hyderabad, India<br><i>SDE Intern, Microsoft Office Team</i><br>Worked on integrating Google Sign in in MS Office Android apps for reducing user friction.   | May 2015 - Jun 2015  |
|                     | <b>CMC Ltd</b> , Mumbai, India<br><i>SDE Intern, Java and Web Development Team</i><br>Worked with LEARN team on enhancing interactivity of project's web pages.   | May 2014 - Jun 2014  |
| PUBLICATIONS        | Shikhar Vashishth, Shib S. Dasgupta, Swayambhu N. Ray, Partha Talukdar. <a href="#">“Dating Documents using Graph Convolution Networks”</a> , Proceedings of Association of Computational Linguistics ( <b>ACL 2018</b> ), Melbourne, Australia.  |  |
|                     | Shikhar Vashishth, Prince Jain, Partha Talukdar. <a href="#">“CESI: Canonicalizing Open Knowledge Bases using Embeddings and Side Information”</a> . Proceedings of The Web Conference 2018 ( <b>WWW 2018</b> ), Lyon, France. [ <a href="#">Acceptance Rate: 14.8 %</a> ]  |  |
|                     | Yash Sinha, Shikhar Vashishth, K Hari Babu. <a href="#">“Real Time Monitoring of Packet Loss in Software Defined Networks”</a> . Proceedings of International Conference on Ubiquitous Communications and Network Computing 2017.   |  |
|                     | Yash Sinha, Shikhar Vashishth, K Hari Babu. <a href="#">“Estimation of raw packets in SDN”</a> . Proceedings of International Conference on Ubiquitous Communications and Network Computing 2017.   |  |
|                     | Yash Sinha, Shikhar Vashishth, K Hari Babu. <a href="#">“Meticulous Measurement of Control Packets in SDN”</a> . Proceedings of ACM Symposium on SDN Research, ( <b>SOSR 2017</b> ), Santa Clara, CA.   |  |
|                     | Shikhar Vashishth, Yash Sinha, K Hari Babu. <a href="#">“Addressing Challenges in Browser Based P2P Content Sharing Framework Using WebRTC”</a> . Proceedings of 30th IEEE International Conference on Advanced Information Networking and Applications, ( <b>AINA 2016</b> ), Switzerland. [ <a href="#">Acceptance Rate: 29 %</a> ] |  |
|                     | Shikhar Vashishth, Yash Sinha, K Hari Babu. <a href="#">“A Browser-based Distributed</a>  |  |

**Framework for Content Sharing and Student Collaboration“.** Proceedings of 4th International Conference on Advanced Computing, Networking, and Informatics.

ACADEMIC  
PROJECTS

**Document Time Stamping** Sep 2017 - Feb 2018  
Proposed a state-of-the-art Graph Convolutional Network based solution for predicting time stamp of documents.

**Canonicalizing Open KB** May 2016 - Sep 2017  
Designed a new algorithm, CESI for canonicalizing noun phrase and relation in Open Knowledge Graphs.

**Visualizing deep models for Object Recognition** May 2016 - Sep 2017  
Devised a new method called DeNet for visualizing layers' activations in Deep CNN models for object recognition.

**Deep Learning models for sentiment Analysis** May 2016 - Sep 2017  
Performed comparison of state-of-the-art models for sentiment analysis on several datasets.

**Simulating Real Time Motion blur** Oct 2016 - Dec 2016  
Implemented the state of the art technique for simulating motion blur in animations.

SKILLS

**Programming Languages:** Python, C, C++, Java, R, MatLab, JavaScript, NodeJS  
**Tools and Systems:** Tensorflow, Open-GL/MP/CV, MPI, Linux, Git, Android

POSITION OF  
RESPONSIBILITY

**Teaching Assistant for Data mining, BITS Pilani** Jan 2016 - May 2016  
Assisted in conducting lab sessions on IBM SPSS Modeler.

**Techno team head at Nirmaan Organization** Aug 2014 - Dec 2014  
Supervised team in online and on campus publicity of Nirmaan.

HONORS AND  
AWARDS

- Awarded Google PhD Fellowship in 2018.
- Receptient of Microsoft Research grant for attending ACL 2018, Melbourne.
- Receptient of Google Travel grant for attending WWW 2018, Lyon, France.
- Receptient of 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