Shikhar Vashishth

CONTACT INFORMATION

ADDRESS:	MALL Lab, CDS, IISc, Bangalore, India
EMAIL:	shikhar@iisc.ac.in

WORK EXPERIENCE

JAN 2016 - MAY 2016 | **ADAPT Lab**, BITS Pilani
Thesis (Advisor: Prof. Navneet Goyal)
Worked on designing a hybrid algorithm for Principal Components Analysis technique. Also made contributions to DWARF language, which is a part of funded project "A New Distributed Computing Framework for Data Mining".

MAY 2015 - JUL 2015 | **Microsoft IDC**, Hyderabad
SDE Intern, Microsoft Office Team
Worked on integrating Google Sign in in MS Office Android apps for reducing user friction during sign in. Also worked on Google Drive and Facebook sign in integration.

MAY 2014 - JUL 2014 | **CMC Ltd**, Mumbai
SDE Intern, Java and Web Development Team
Worked with LEARN (Learning Enabler And Resource Navigator) team on enhancing interactivity of project's web pages using JSP-Servlets and JQuery.

EDUCATION

AUG 2016 - PRESENT | **Indian Institute of Science**, Bangalore
PhD, Dept. of Computer Science and Automation
Advisors: Dr. Partha Pratim Talukdar and Prof. Chiranjib Bhattacharyya
Current GPA: 9.1/10

AUG 2012 - JUN 2016 | **Birla Insitute of Technology and Science (BITS) Pilani**, Pilani
M.Sc.(Tech.) Information Systems,
With Distinction, Rank #1 in branch
GPA: 9.2/10

Publications

2018   Shikhar Vashishth, Shib Sankar Dasgupta, Swayambhu Nath Ray, Partha Talukdar
"Dating Documents using Graph Convolution Networks"
Association for Computational Linguistics (ACL) 2018, Melborne [**Accepted**]

2018   Shikhar Vashishth, Prince Jain, Partha Talukdar
"CESI: Canonicalizing Open Knowledge Bases using Embeddings and Side Information"
The Web Conference 2018 (WWW 2018), Lyon, France. | Acceptance Rate: 14.8 %

2017   Yash Sinha, Shikhar Vashishth, K Hari Babu
"Real Time Monitoring of Packet Loss in Software Defined Networks"
International Conference on Ubiquitous Communications and Network Computing 2017

2017   Yash Sinha, Shikhar Vashishth, K Hari Babu
"Estimation of raw packets in SDN"
International Conference on Ubiquitous Communications and Network Computing 2017

2017   Yash Sinha, Shikhar Vashishth, K Hari Babu
"Meticulous Measurement of Control Packets in SDN"
ACM Symposium on SDN Research, SOSR '17, pp. 187-188, Santa Clara, CA

2016   Shikhar Vashishth, Yash Sinha, K Hari Babu
"Addressing Challenges in Browser Based P2P Content Sharing Framework Using WebRTC"
30th IEEE International Conference on Advanced Information Networking and Applications
(AINA-2016) | Switzerland | Acceptance Rate: 29%

2016   Shikhar Vashishth, Yash Sinha, K Hari Babu
"A Browser-based Distributed Framework for Content Sharing and Student Collaboration"
4th International Conference on Advanced Computing, Networking, and Informatics

Scholarships and Certificates

Mar 2018   Received Google Travel grant for presenting work at WWW 2018, France.
Mar 2018   Received BITSAA grant for presenting work at AINA 2016, Switzerland.
Mar 2016   Secured 49th rank (top 0.04%) in GATE 2016 CSIT
Dec 2014   Qualified for ACM ICPC Kharagpur regionals
Jun 2012   Secured 8,848 rank (top 1.8%) in IIT-JEE
Jun 2012   Secured 4,334 rank (top 0.74%) in AIEEE

Computer Skills

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

Position of Responsibility

Jan 2016 - May 2016 | Teaching Assistant of Data mining (CS-F415), BITS Pilani
Assisted in conducting lab sessions on IBM SPSS Modeler.

Jan 2016 - May 2016 | Techno team head at Nirmaan Organization, (an NGO for social welfare)
Supervised team in online and on campus publicity of Nirmaan. Took tutorial sessions on Photoshop and After Effects.

Academic Projects

Feb 2018 - Present | Entity Linker for Wikidata
Working on scaling entity linkers for extensive Knowledge Graph like Wikidata

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

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

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

Feb 2016 - May 2016 | Deep Learning models for sentiment Analysis
Compared state-of-the-art models for sentiment analysis like CNN, LSTM on Stanford sentiment dataset.

Oct 2016 - Dec 2016 | Simulating Real Time Motion blur
Implemented the state of the art technique for simulating motion blur in animations. Demonstrated the algorithm ("A Reconstruction Filter for Plausible Motion Blur") through a car racing animation.

Aug 2015 - Dec 2015 | Raw packet estimation in Software Defined Networking
Proposed a method for monitoring and predicting packet loss and algorithm for estimating raw packets. Algorithm uses spanning tree information and accurately estimates raw packet count for each interface.

Aug 2014 - Apr 2015 | A Browser based Distributed framework for Content sharing
Explored the plausibility of a browser based Peer to Peer Network using an asynchronous framework. Framework was built using distributed lookup protocol called Chord, NodeJS and RTCDataChannel.

Extra-Curricular Activities

Aug 2012 - Dec 2014 | Volunteer at Gyanbodh, Nirmaan Organization
Gyanbodh is an initiative which provides free evening tuitions to underprivileged kids, undertaken by the Pilani chapter of Nirmaan Organization.

Mar 2014 | Organizing team member of DHITI, APOGEE-2014, BITS Pilani
DHITI is a kernel event of APOGEE, tech fest BITS Pilani.