

Rajiv Ratn SHAH

Curriculum Vitae

Contact Information

Address A-409, New Academic Building, IIIT-Delhi, Okhla Phase 3, Delhi, India 110020

Phone +91-11-26907495, +91-8800629998

Email rajivrtn@iiitd.ac.in

GoogleScholar <https://tinyurl.com/GoogleScholarRajiv>

ResearchGate <https://tinyurl.com/ResearchGateRajiv>

LinkedIn <https://sg.linkedin.com/in/rajivrtn>

Website <https://faculty.iiitd.ac.in/~rajivrtn/>

Education

2012–2017 **Doctor of Philosophy**, *National University of Singapore (NUS)*, Singapore, Singapore.

2010–2012 **Master of Technology**, *Delhi Technological University (DTU)*, Delhi, India.

2005–2008 **Master of Computer Applications**, *Jawaharlal Nehru University (JNU)*, Delhi, India.

2002–2005 **Bachelor of Science (Math)**, *Banaras Hindu University (BHU)*, Varanasi, India.

Research Interests

**Multimodal
Multimedia
Data Science** Multimodal analysis of multimedia content, deep learning based multimedia systems, multi-modal multimedia fusion, event detection and recommendation on social media, multimedia search, retrieval and recommendation, and deep learning based natural language processing.

Fellowships

HLF 2018 **Heidelberg Laureate Forum**, 200 most qualified young researchers across the world are provided an opportunity to meet Laureates in CS and Maths for a week at Heidelberg.

ERCIM 2017 **European Research Consortium for Informatics and Mathematics**, A few young scientists across the world are hosted in leading European Research Institutes.

Research Experience

Assistant **Indraprastha Institute of Information Technology (IIIT)**, *Delhi*, India.

Professor

- Department of Computer Science and Department of Human-centered Design
- December 2017 – Present

Visiting **Indraprastha Institute of Information Technology (IIIT)**, *Delhi*, India.

Faculty

- Department of Computer Science and Department of Human-centered Design
- December 2016 – November 2017

Research **Singapore Management University (SMU)**, *Singapore*, Singapore.

Fellow

- Living Analytics Research Centre (LARC), School of Information Systems
- Prof Jing Jiang
- January 2017 – December 2017

PhD **National University of Singapore (NUS)**, *Singapore*, Singapore.

Candidate

- Media Management Research Lab (MMRL), School of Computing
- Prof Roger Zimmermann
- January 2012 – December 2016

Visiting **National Institute of Informatics (NII)**, *Tokyo*, Japan.
Researcher

- Prof Yi Yu
- November 2015 – April 2016

National Tsing Hua University (NTHU), *Hsinchu*, Taiwan.

- Networking and Multimedia Systems Lab (NSML), Department of Computer Science
- Prof Cheng Hsin Hsu
- September 2015 – February 2015

Teaching Experience

IIIT Delhi CSE563: Multimedia Computing and Applications (instructor during spring)
CSE463: Introduction to Media Computing (instructor during fall)

Selected Publications

- ACM MM 2018 **Rajiv Ratn Shah** et al., “Harnessing Artificial Intelligence for Kidney Disease Diagnosis.” (Submitted)
- ACM MM 2018 **Rajiv Ratn Shah** et al., “Kidney Glomeruli Classification using Deep Learning and Image Processing.” (Submitted)
- Springer 2017 **Rajiv Ratn Shah** and Roger Zimmermann, “Multimodal Analysis of User-Generated Multimedia Content.” pages 1–263. (Book)
- NAACL 2018 Debanjan Mahata, John Kuriakose, **Rajiv Ratn Shah**, and Roger Zimmermann, “Key2Vec: Automatic Ranked Keyphrase Extraction from Scientific Articles using Phrase Embeddings.”
- WWW 2018 Hitkul Jangid, Shivangi Singhal, **Rajiv Ratn Shah**, Roger Zimmermann. “Aspect-Based Financial Sentiment Analysis using Deep Learning.”
- IEEE IS 2018 Debanjan Mahata, Jasper Friedrichs, **Rajiv Ratn Shah**, Jing Jiang. “Did you take the #pill? - Detecting Personal Intake of Medicine from Twitter.”
- MR²AMC 2018 Mayank Meghawat, Satyendra Yadav, Debanjan Mahata, Yifang Yin, **Rajiv Ratn Shah**, Roger Zimmermann. “A Multimodal Approach to Predict Social Media Popularity.”

Selected Awards and Recognitions

- I won the best paper award in the IWGS workshop at the ACM SIGSPATIAL conference 2016, San Francisco, USA.
- I was runner up in Yahoo! Flickr Event Summarization Challenge at ACM Multimedia 2015 (*tier 1 conference*), Brisbane, Australia.
- I have been awarded SIGMM student travel grants to attend ACM Multimedia 2016 at Amsterdam, The Netherland and ACM ICMR 2016 at New York, USA.
- I have been awarded a scholarship to attend the summer school on “Research Frontiers in Computing 2011” organized by School of Computing, NUS, Singapore.
- I have been awarded the prestigious Erasmus Mundus (*CAT-A*) scholarship for the “Erasmus Mundus COSSE (Computer Simulations for Science and Engineering) 2011” programme at KTH Royal Institute of Technology in Stockholm, Sweden and Friedrich Alexander Universität in Erlangen-Nürnberg, Germany.

Selected Professional Activities

Co-chair MR²AMC (2018)

Area Chair/ Session Chair/ PC Member/ Reviewer ACM Multimedia (2018, 2017), IEEE CIM (2018), ACL (2018), IEEE MIPR (2018), ACM CIKM (2017), IEEE ICME (2017), CVIP (2018, 2017), SIGIR (2017), LKE (2017), Springer MTAP (2018, 2017, 2016), IEEE Transactions on Multimedia (2018, 2017), IJBIDM (2017), Elsevier Neurocomputing (2016, 2017), ISMIR (2016), *etc.*