

Jithin Vachery

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EDUCATION

Indian Institute of Technology, Madras, Chennai, India

- PhD in Computer Science Jul 2014 – present
 - Thesis: Scalable and Adaptive Querying on Large Networks
 - Adviser: Prof. Sayan Ranu
 - Focus: Graph querying and Graph mining.
 - Cumulative GPA: 9.8 / 10.0

Indian Institute of Science, Bangalore, India

- M.E in Computer Science Aug 2009 – Apr 2011
 - Among the top-5 in the batch
 - Cumulative GPA: 6.9 / 8.0

College of Engineering, Trivandrum, India

- B.Tech. in Computer Science Sep 2001 – May 2005
 - Graduated with Distinction
 - Cumulative Marks: 76.8%

PUBLICATIONS JOURNALS

- **Jithin Vachery** and Sayan Ranu. Risc: Rapid inverted-index based search of chemical fingerprints. *Journal of Chemical Information and Modeling*, 2019. doi:10.1021/acs.jcim.9b00069
- Sourav Medya*, **Jithin Vachery***, Sayan Ranu, and Ambuj Singh. Noticeable network delay minimization via node upgrades. *Proceedings of the VLDB Endowment*, 11(9):988–1001, 2018

CONFERENCES

- **Jithin Vachery**, Akhil Arora, Sayan Ranu, and Arnab Bhattacharya. RAQ: Relationship-aware graph querying in large network. *WWW, TheWebConf*, 2019
- Aritra Ghosh and **Jithin Vachery**. Inferring borrower network in a microfinancing framework (kiva). In *2016 International Conference on Data Science and Engineering (ICDSE)*, pages 1–5. IEEE, 2016

PREPRINT

- **Jithin Vachery** and Ambedkar Dukkipati. On shore and johnson properties for a special case of csiszár f-divergences. *arXiv preprint arXiv:1201.4285*, 2012

*Equal Contribution

AWARDS & SCHOLARSHIPS

- Google Conference and Travel Scholarship to attend WWW 2019
- Microsoft Research India Travel Grant to attend WWW 2019

- Student Travel Grant to attend CoDS-COMAD 2019
- ACM India-IARCS travel grant to attend VLDB 2018
- Star TA award, CSE, IIT-M Spring 2017
- TCS PhD Fellowship 2015 – 2019
Awarded to the top 50 applicants from India.
- MHRD PhD Fellowship 2014 – 2019
Awarded by Ministry of Human Resource Development, Govt. of India.
- MHRD M.Tech Fellowship 2009 – 2011
Awarded by Ministry of Human Resource Development, Govt. of India.
- All India **Rank 2** (percentile 99.99) in GATE, 2009
GATE is a qualifying exam written by all M.Tech aspirants in India.
- Award for academic excellence by P.M. Foundation in 10th Grade. 1999

**PROFESSIONAL
ACTIVITIES**

- **Sub Reviewer** : KDD 2019, CoDS COMAD 2019, CIKM2018.
- **External Reviewer** : KDD 2018, KDD 2017, KDD 2016, CIKM 2017, CoDS COMAD 2016, SDM 2016, VLDB 2019, WWW 2017.
- **Organizing Volunteer** : CoDS COMAD 2017.
- **Co-founder** of anti piracy club at College of Engineering, Trivandrum.

**TEACHING
ASSISTANT**

- Theory and Applications of Ontologies Fall 2019
- Introduction to Database Systems Spring 2018
- Randomized Algorithms Fall 2018
- An Introduction to Probability in Computing (MOOC via NPTEL) Fall 2018
- Operating Systems Spring 2017
- Introduction to Programming Spring 2016
- Algorithms for Big Data (MOOC via NPTEL) Fall 2016
- Algorithmic Foundations of Data Science Fall 2016
- Advanced Programming Lab Spring 2015
- Introduction to Programming Fall 2015
- Advanced Computer Networks Spring 2014

**CAMPUS
ACTIVITIES**

- PhD representative in Department Curriculum Committee, CSE, IIT-M 2016– 2017
- ME representative in Department Curriculum Committee, CSA, IISc 2010– 2011
- Organizer and Vice Captain of PG-United football team in IIT-M 2015– present
- Member of Krishna Hostel squash team in IIT-M 2015– present

**WORK
EXPERIENCE**

- inspiriSYS**, Trivandrum, India
- Software Engineer, Jul 2007 – Jun 2009
 - Part of data network protocols team responsible for designing and developing new layer 4 protocols.
- alTRan**, Bangalore, India
- Software Engineer, Sep 2005 – Jun 2007
 - Part of data network protocols team responsible for designing and developing routing protocols protocols for network switches.

INTERESTS

Football, squash, swimming, running, badminton, reading.

REFERENCES

- **Prof. Sayan Ranu**
Assistant Professor
Department of Computer Science
IIT Delhi, India
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- **Prof. Arnab Bhattacharya**
Associate Professor
Department of Computer Science
IIT Kanpur, India
arnabb@cse.iitk.ac.in
- **Prof. John Augustine**
Associate Professor
Department of Computer Science
IIT Madras, India
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