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Research Interests

Computer Networks: Internet measurements and analysis, and cloud computing.

Education

- **Ph.D. Computer Sciences** 2019
University of Wisconsin-Madison, USA Adviser: Dr. Paul Barford
- **M.S. Computer Sciences** 2018
University of Wisconsin-Madison, USA
- **B.Tech. Information Technology** 2009
PSG College of Technology, Anna University, India

Professional Experience

- **Assistant Faculty Associate** Jan 2020 - present
University of Wisconsin-Madison, USA
- **Teaching Assistant (Shadow Instructor): Data Programming I (CS220)** Fall 2019
University of Wisconsin-Madison, USA
- **Graduate Research Assistant** Sep 2013 - May 2019
University of Wisconsin-Madison, USA Adviser: Dr. Paul Barford
- **Guest Lecturer: Advanced Computer Networks (CS740)** Fall 2018
University of Wisconsin-Madison, USA
- **Guest Lecturer: Introduction to Computer Networks (CS640)** Fall 2017
University of Wisconsin-Madison, USA
- **Instructor: Introduction to Data Structures (CS367)** Summer 2017
University of Wisconsin-Madison, USA
- **Software Development Intern** Jun 2016 - Aug 2016
Microsoft, USA
- **Software Intern in Application Development** Jun 2014 - Aug 2014
Cisco Systems, USA
- **Teaching Assistant: Introduction to Data Structures (CS367)** Spring 2014
University of Wisconsin-Madison, USA
- **Teaching Assistant: Problem Solving for Engineers (CS310)** Fall 2013
University of Wisconsin-Madison, USA
- **Software Development Engineer in Test** Jun 2009 - Jul 2013
Citrix R&D India Pvt L.T.D, India
- **Software Intern in Test Development** Nov 2008 - Jun 2009
Citrix R&D India Pvt L.T.D, India

Publications

- Yugali Gullapalli, Jeremy Koritzninsky, Meenakshi Syamkumar, Paul Barford, Ramakrishnan Durairajan and Joel Sommers. “Bokeh: Anonymizing Physical Network Maps”, In *Proceedings of 3rd Workshop on Location-based Recommendations, Geosocial Networks and Geoadvertising (ACM LocalRec’19)*, Chicago, IL, USA, November 2019.
- Meenakshi Syamkumar, Paul Barford, and Ramakrishnan Durairajan. “Deployment Characteristics of “The Edge” in Mobile Edge Computing”, In *Proceedings of Workshop on Mobile Edge Communications (ACM MECOMM, co-located with ACM SIGCOMM)*, Budapest, Hungary, August, 2018
- Meenakshi Syamkumar, Sathiya Kumaran Mani, Ramakrishnan Durairajan, Paul Barford, and Joel Sommers. “Wrinkles in Time: Detecting Internet-wide Events via NTP”, In *Proceedings of the IEEE IFIP Networking*, Zurich, Switzerland, May, 2018
- Meenakshi Syamkumar, Ramakrishnan Durairajan, and Paul Barford. “Bigfoot: A Geo-based Visualization Methodology for Detecting BGP Threats”, In *Proceedings of the IEEE Symposium on Visualization for Cybersecurity (VizSec)*, Baltimore, MD, October, 2016
- Mukta Gupta, Ramakrishnan Durairajan, Meenakshi Syamkumar, Paul Barford, and Joel Sommers. “pfs: Parallelized, Flow-based Network Simulation”, In *Proceedings of ACM SummerSim*, Chicago, IL, July, 2015

Awards

- Travel grants for SIGCOMM’18 (N2Women grant), GHC’17, GHC’16, SIGCOMM’16, SIGCOMM’15
- Computer Sciences Departmental Thanks Award for service to GHC booth May 2018
- Computer Sciences Departmental Thanks Award for service to ACM-W UW-Madison chapter April 2017
- Graduate Peer Mentor Award, Bucky’s Awards, UW-Madison April 2017
- Letter of Appreciation at Citrix Systems Jul 2012
- Anna University **Gold Medalist**, first rank among 65 students Feb 2010
- Best All Rounder of the Department of Information Technology Mar 2009
- Outstanding Senior Volunteer award of National Service Scheme, PSG College of Technology Jul 2008

Service

- Shadow Program Committee (PC) - ACM Internet Measurement Conference 2018, 2019
- Instructor: Grandparents University CS Major Summer 2019, Summer 2018
- Graduate Student Advisor of ACM-W UW-Madison chapter 2017-2019
- Instructor: Android programming workshop for freshman Spring 2018
- Organized the N2Women dinner at SIGCOMM 2018
- Represented the Department of Computer Sciences, UW-Madison at ABI GHC’s career fair 2017
- President of ACM-W UW-Madison chapter 2016-2017
- Secretary of ACM-W UW-Madison chapter 2015-2016
- Secretary of Institute of Engineers (IE), Student Chapter, PSG College of Technology 2008-2009
- Representative of the class, PSG College of Technology 2007-2008

References

Available upon request.