
REETHIKA RAMESH

reethika@umich.edu | Research Interests: Security and Privacy, Internet Measurement

EDUCATION

UNIVERSITY OF MICHIGAN, Ph.D. — 2018–PRESENT

Advisor: Prof. Roya Ensafi.

I am a graduate student in Computer Science at the University of Michigan. My research interests are security and privacy. I am currently leading *VPNalyzer*: an academic research project that aims to analyze the VPN ecosystem through large-scale data-driven studies with the support of Consumer Reports and the Open Technology Fund.

Current GPA – 3.90/4.0

VIT UNIVERSITY, B.TECH — 2013–2017

Undergraduate Studies – Bachelor of Technology, Computer Science and Engineering.

CGPA: 9.38/10.

PUBLICATIONS

DECENTRALIZED CONTROL: A CASE STUDY OF RUSSIA

Reethika Ramesh, R. Sundara Raman, M. Bernhard, V. Ongkowijaya, L. Evdokimov, A. Edmundson, S. Sprecher, M. Ikram, R. Ensafi.

In the Proceedings of the 27th Network and Distributed Systems Symposium (NDSS'20), February 2020.

MEASURING THE DEPLOYMENT OF NETWORK CENSORSHIP FILTERS AT GLOBAL SCALE

R. Sundara Raman, A. Stoll, J. Dalek, Reethika Ramesh, W. Scott, and R. Ensafi.

In the Proceedings of the 27th Network and Distributed Systems Symposium (NDSS'20), February 2020.

EXPERIENCE

RESEARCH ASSISTANT, UNIVERSITY OF MICHIGAN — 2018–PRESENT

I am a graduate student in Computer Science at the University of Michigan where I work as a GSRA with my advisor Prof. Roya Ensafi. I am currently working on analyzing the commercial VPN ecosystem from the perspective of security, privacy, and usability.

ASSOCIATE CONSULTANT, MICROSOFT INDIA — JUL 2017–MAY 2018

I was as an Associate Consultant in the Apps domain in Microsoft India Global Delivery. I worked on developing applications for our clients that required integrating their business needs with the different technologies in the Microsoft Stack.

RESEARCH INTERN, UNIVERSITY OF MARYLAND — FEB–JUL 2017

Advisor: Prof. Neil Spring

While interning as an undergraduate researcher in the Systems and Networking Lab at the University of Maryland, College Park, I worked on performing a longitudinal analysis of ThunderPing's data. ThunderPing uses active probing methods from remote vantage points to detect residential Internet connectivity failures during inclement weather conditions.

PRESENTATIONS

INVITED TALK, NEXT GENERATION DEMOCRACY CAFE AUGUST '20

Gave an invited talk about my work on decentralized control and its broader implications at the Next Generation Democracy Cafe, online, on August 12, 2020.

DECENTRALIZED CONTROL: A CASE STUDY OF RUSSIA, NDSS 2020

Presented my research paper at the Network and Distributed System Security Symposium (NDSS), 2020 in San Diego, CA.

PHD LIGHTNING TALK, MOZILLA SECURITY RESEARCH SUMMIT, 2019

Invited to attend the Mozilla Security Research Summit in San Francisco, May 24, 2019 as a PhD student to give a short lightning talk about my work.

RESEARCH POSTER, ACM INTERNET MEASUREMENT CONFERENCE, 2017

Poster detailing ongoing work on categorizing detected outages by likely cause to reason about last-mile Internet reliability across ISPs and geographical areas titled "Measuring Last Mile Internet Reliability During Severe Weather" was presented by a collaborator at ACM IMC 2017, London.

SERVICE

STUDENT ORGANIZER, FOCI'20 — AUGUST 11, 2020

I served as the Student Organizer for the 10th USENIX Workshop on Free and Open Communications on the Internet (FOCI'20) co-located with USENIX Security 20.

TREASURER OF ECSEL+ — AUGUST 2019 –PRESENT

ECSEL+ is a group to support graduate women students and gender minorities in Computer Science at the University of Michigan. I was elected to this position twice: 2019-20, 2020-21.

MEMBER OF WISER — AUG 2019

I am part of the Women in SEcurity Research (WISER) group at the University of Michigan.

REFERENCES

Roya Ensafi, Assistant Professor, University of Michigan, ensafi@umich.edu