

PERSONAL INFORMATION

Reethika Rameshreethika@umich.edu

RESEARCH INTERESTS:

Security and Privacy

WORK EXPERIENCE

From July 2017 to May 2018

Associate ConsultantApps Domain | Microsoft India Global Delivery | <https://www.microsoft.com>

I was as an associate consultant in the apps domain. I worked on developing applications for our clients that required integrating their business needs with the different technologies in the Microsoft Stack.

From March 2017 to July 2017

Research InternSystems and Networking Lab | [University of Maryland, College Park](#)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. I started by conducting a reappraisal of the tool which involved validating various aspects of its probing scheme and the data analysis processes that it employs. Then I investigated the data collected by ThunderPing during Winter Storm Jonas from 2016 and more recently, the data generated during Hurricanes Harvey and Irma to compare their effect on Internet connectivity.

Poster Presentation at 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" presented at ACM IMC 2017, London.

From June 1, 2015 to July 6, 2015

Junior Intern[Lucid Software Limited](#) | Chennai, Tamil Nadu

- Worked as an intern with a firm that specializes in non-destructive testing (NDT) technology and develops software solutions that enhance public safety and security.
- Tasks included:
 - Writing and running several test applications for products made for the company.
 - Running several complexity analyses and code analyses for modules of few programs.
 - Independently writing and creating a DLL (in C++) to be used as a precursor for their image processor. [Business: Software Solutions](#)

EDUCATION

July 2013 to May 2017

Bachelor of Technology in Computer Science and Engineering
CGPA – 9.38 on 10[Vellore Institute of Technology](#), Vellore, Tamil Nadu, India – 632014

OTHER PROJECTS

Cradle

Role: Development Head

A smart infant monitoring system to help prevent SIDS. First of its kind innovation in the Indian market, employing data sciences, machine learning to monitor long term heart functions and breathing activity. Reports to parents' and/or caretakers' smart phones using dedicated app services. Data collected and monitored by a wearable on the infant or its clothing sent to the Azure cloud services via a Wi-Fi enabled gateway in the infant's room.

OTHER INFORMATION

Languages

English (Professional working proficiency)
Tamil (Native or Bilingual Proficiency)
Hindi (Native or Bilingual Proficiency)