Soundarya Ramesh

CONTACT

Email : **sramesh@comp.nus.edu.sg**
GitHub : **soundaryaramesh**
LinkedIn : **www.linkedin.com/in/soundarya-ramesh**

EDUCATION

National University of Singapore *Aug 2018 – Present*
PhD Student, Department of Computer Science *Current GPA : 5/5*
Area : Cyber-physical Systems Security
Supervisor : Jun Han

National Institute of Technology Karnataka, India *Jul 2014 – May 2018*
Bachelor of Technology in Information Technology *GPA : 9/10*

CONFERENCES AND WORKSHOPS

Shiqi Shen, Shweta Shinde, <u>Soundarya Ramesh</u>, Prateek Saxena, and Abhik Roychoudhury. Neuro-Symbolic Execution: Augmenting Symbolic Execution with Neural Constraints. *In the Proceedings of the 26th Annual Network and Distributed System Security Symposium (NDSS '19).*

<u>Soundarya Ramesh</u>, Thomas Pathier, Jun Han. SoundUAV: Towards Delivery Drone Authentication via Acoustic Noise Fingerprinting. *To appear in the Proceedings of the 5th ACM Workshop on Micro Aerial Vehicle Networks, Systems, and Applications (DroNet '19).*

POSTERS

<u>Soundarya Ramesh</u>, Thomas Pathier, Jun Han. SoundUAV: Fingerprinting Acoustic Emanations for Delivery Drone Authentication. *To appear in the Proceedings of 17th Annual International Conference on Mobile Systems, Applications, and Services (MobiSys '19).*

RESEARCH EXPERIENCES

Indian Institute of Science May – Jun 2016
Research Intern in Cryptography and Information Security Lab
Supervisor : Arpita Patra
Project : Developing efficient protocol for Graph Consensus Problem in Directed Graphs
Field of Exposure : Secure Multi-party Computation

National University of Singapore May – Dec 2017
Research Intern in System Security Lab
Supervisor : Prateek Saxena
Project : Domain-agnostic Constraint Learning using Neural Networks
Field of Exposure : Deep Learning, Software Engineering

HONORS AND AWARDS

- Graduate Research Fellowship, National University of Singapore *Aug 2018 – Present*
- Indian Academy of Science Fellowship *May – Jun 2016*
- Research Forum Award at the Deep Learning and Security Workshop
  at the National University of Singapore *Dec 2017*

TEACHING EXPERIENCES

- Mathematics for Joint Entrance Examination (JEE) for Grade-12 students *Jan – May 2018*
- English for Kannada-medium high school students *Jan – May 2015*