Animesh Chhotaray

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OVERVIEW

PhD (Cryptography), Computer Science, University of Florida.
Dissertation Topic: Provable-Security Treatment Of Circuit-Design Intellectual-Property Theft In Integrated-Circuit Supply Chain
Graduation date: May 2023

PUBLICATIONS

3. A. Chhotaray, T. Shrimpton, "Hardening Circuit Design IP Against Reverse-Engineering Attacks", *IEEE Security & Privacy* , (2022).

2. W. Garcia, A. Chhotaray, J. Choi, S. K. Adari, K. Butler, S. Jha, "Brittle Features of Device Authentication", *ACM CODASPY* , (2021).

1. A. Chhotaray, A. Nahiyan, T. Shrimpton, D. Forte, M. Tehranipoor, "Standardizing Bad Cryptographic Practice - A teardown of the P1735 IEEE standard for protecting electronic-design intellectual property", *ACM CCS* , (2017).

EDUCATION

PhD Computer Science 2017-Present
University of Florida

- GPA: 3.8/4.0
- Courses: Computer and Information Security, Mathematics for Intelligent Systems Automated Software and Hardware Verification, Applied Machine Learning

MS Computer Science 2015-2017
University of Florida

- GPA: 3.8/4.0
- Courses : Computer Network Security, Penetration Testing, Advanced Data Structures, Introduction to Modern Cryptography, Network Algorithms and Data Structures, Analysis of Algorithms, Programming Language Principles, Computer Architecture

BTech Computer Science 2007-2011
NIT Rourkela, India

- GPA: 8.13/10
- Courses : C, C++, Data Structures, Operating Systems, Computer Networks, Computer Organization and Architecture, Theory of Computing, Algorithms

APPOINTMENTS

Teaching Associate 2013-2015
KIIT University, India

- Taught undergraduate students Programming in C, Computer Security

Engineer 2011-2013
Samsung Research & Development Institute, India

- Worked for Systems team (FM driver) on feature phones with ARM based SoC ranging from 2G to 3G. Work involved code optimization, bug fixing and code stabilization through analysis of RAM dumps

AWARDS AND RECOGNITION

- CCS'17 paper resulted in 7 Common Vulnerabilities and Exposures (CVE) entries in the Vulnerability Notes Database.
- CCS'17 paper featured in The Register, threatpost, The Hacker News, and other cybersecurity news publications.
- Graduate Fellowship Award in 2019 and 2022

SERVICE

- External reviewer @NDSS'20
- Sub-reviewer @CRYPTO'20, @WiSec'20

MENTEES

- Soumojit Biswas (BTech, KIIT University)
- Zhang Zitong (MS, University of Florida)
- Noopur R. Kalawatia (MS, University of Florida)
- Ashwath Venkataraman ((MS, University of Florida)
- Sam Markelon (PhD, University of Florida)