



Animesh Chhotaray

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<https://animeshchhotaray.github.io/>

OVERVIEW

PhD Candidate (Cryptography), Computer Science, University of Florida.

Dissertation Topic: Provable-Security Treatment Of Circuit-Design Intellectual-Property Theft In Integrated-Circuit Supply Chain

Expected graduation date: Dec 2022

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. Nahiyani, 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, Automated Hardware/Software Verification, Applied Machine Learning

MS Computer Science

2015-2017

University of Florida

- GPA: 3.8/4.0
- Courses : Computer Network Security, Penetration Testing, Introduction to Modern Cryptography, Analysis of Algorithms, Network Algorithms and Data Structures, Advanced Data Structures, Programming Language Principles, Computer Architecture, Automated Software and Hardware verification, Mathematics for Intelligent Systems

BTech Computer Science

2007-2011

NIT Rourkela, India

APPOINTMENTS

Teaching Associate

2013-2015

KIIT University, Bhubaneswar, India

- Taught undergraduate students Programming in C, Computer Security

Engineer

2011-2013

Samsung Research & Development Institute, NOIDA, 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](#) 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)