



# Animesh Chhotaray

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

## OVERVIEW

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PhD Candidate, 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

## APPOINTMENTS

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### 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

## EDUCATION

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### PhD Computer Science

2017-Present

*University of Florida*

- GPA: 3.8/4.0
- Courses: Computer and Information Security, Automated Hardware and 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*

## PUBLICATIONS

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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. Nahian, 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). **7 Common Vulnerabilities and Exposures (CVE) entries in the [Vulnerability Notes Database](#). Featured in [The Register](#), [threatpost](#), and other cybersecurity news publications**

## TEACHING

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@ KIIT University, School of Computer Engineering:

- 2013-2015: **Programming in C, Computer Security**

## SERVICE

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