

Adithya Bhat

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EDUCATION

PURDUE UNIVERSITY

PHD IN COMPUTER SCIENCE | FALL
2018-CURRENT
First Year | GPA: 4.0/4.0
Advisor: Aniket P Kate

NIT SURATHKAL | INDIA

B.TECH IN INFORMATION
TECHNOLOGY | 2014-2018
Cum. GPA: 9.49/10.0 | #3/101

LINKS

Github:
<https://github.com/adithyabhatkajake>
LinkedIn: <https://www.linkedin.com/in/adithyabhatkajake>

COURSES

Cryptography: A
Practical and Applied Cryptography: A
Complexity Theory: A+

INTERESTS

Distributed Systems
Fault Tolerant Networks, Secure Protocol
Block Chains
worked with Ethereum, Bitcoin and Ripple
Applied Cryptography
Multi-Party Computation

EXPERIENCE

PURDUE UNIVERSITY | GRADUATE RESEARCH ASSISTANT
Fall 18 - Current, under Prof. Aniket Kate

R C BOSE CENTER FOR CRYPTOLOGY AND SECURITY
| UNDERGRADUATE RESEARCH FELLOW
July 2017 - Dec 2017 | Indian Statistical Institute, Kolkata

MORGAN STANLEY | SOFTWARE ANALYST INTERN
May 2017 - July 2017 | Bangalore, India

INFORMATICS AND SECURITY LAB | SUMMER RESEARCH FELLOW
May 2016 - July 2016 | Indian Institute of Science, Bangalore, India

PROJECTS

- 2019 *E2C*: Energy Efficient Byzantine Agreement in the CPS setting
- 2019 *Reparo*: Publicly Verifiable layer to repair any blockchain
- 2019 Analysis of the Ripple ledger and data
- 2018 *Transitive Network*: A Tokenless IOU based credit network in Ethereum
- 2018 Publicly Verifiable Data Storage using Ethereum and proof of storage
- 2017 Analysis of Paging and Caching overheads in the Linux Kernel
- 2017 *K-Rack*: A lightweight metadata encrypted steganographic filesystem
- 2017 Designing and building a Smart Mirror and its interface
- 2017 *Kompile*: A secure light-weight online code judge using modified runtimes in a chroot jail
- 2017 Deep4MalDroid: Android Malware detection using system call graphs, Genetic Algorithm for parameter selection and Naive Bayes for Detection
- 2017 Fast Fourier Transform: A comparative analysis using GPU and CPU
- 2017 *Pikcha*: A CAPTCHA generating tool
- 2016 Analysis of factoring algorithms to optimize sieving in GGNFS
- 2016 *Air Hockey*: An augmented reality based multiplayer air hockey game by using real objects to track the mallet.
- 2016 *Daedalus*: A tool implementing the attacks on RSA as proposed in Dan Boneh's survey paper *20 years of attacks on RSA*

PUBLICATIONS AND TALKS

- 2019 *Transitive Network*: Tokenless IOU based Credit Network
CIW, Financial Cryptography 2019, <https://transitive.network>