

Anindya Maiti

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Education

Doctor of Philosophy in Electrical Engineering and Computer Science

Wichita State University, Wichita, USA • In Progress • GPA: 3.90 /4.0

Master of Science in Electrical Engineering

Wichita State University, Wichita, USA • July 2014 • GPA: 3.95 /4.0

Bachelor of Technology in Computer Science and Engineering

Vellore Institute of Technology, Vellore, India • May 2012 • CGPA: 7.68 /10.0

Work Experience

Wichita State University, Wichita

Graduate Research Assistant • August 2013 – Present

Indian Institute of Technology, Kharagpur

Summer Research Intern • June 2011 – July 2011

Selected Publications

Journal Articles

- JA1. Arash Boustani, **Anindya Maiti**, Sina Yousefian Jazi, Murtuza Jadliwala, and Vinod Namboodiri, "Seer Grid: Privacy and Utility Implications of Two-Level Load Prediction in Smart Grids", *IEEE Transactions on Parallel and Distributed Systems*, Volume 28, Issue 2, pp. 546-557, February 2017.
- JA2. **Anindya Maiti**, Murtuza Jadliwala, Jibo He and Igor Bilogrevic, "Side-Channel Inference Attacks on Mobile Keypads using Smartwatches", under review for publication in the *IEEE Transactions on Mobile Computing*.

Conference Papers

- CP1. **Anindya Maiti**, Kirsten Crager, Murtuza Jadliwala, and Jibo He, "RandomPad: Usability of Randomized Mobile Keypads for Defeating Inference Attacks", to appear in the *Proceedings of the IEEE EuroS&P Workshop on Innovations in Mobile Privacy & Security (IMPS)*, Paris, France, April 2017.
- CP2. **Anindya Maiti**, Murtuza Jadliwala, and Chase Weber, "Preventing Shoulder Surfing using Randomized Augmented Reality Keyboards", to appear in the *Proceedings of the IEEE PerCom Workshop on Security, Privacy and Trust in the Internet of Things (SPT-IoT)*, Kona, Hawaii, USA, March 2017.
- CP3. **Anindya Maiti**, Oscar Armbruster, Murtuza Jadliwala, and Jibo He, "Smartwatch-Based Keystroke Inference Attacks and Context-Aware Protection Mechanisms", *Proceedings of the ACM Symposium on Information, Computer and Communications Security (ASIACCS)*, Xi'an, China, pp. 795-806, May 2016.
- CP4. **Anindya Maiti**, Murtuza Jadliwala, Jibo He and Igor Bilogrevic, "(Smart)Watch Your Taps: A Comprehensive Study of Side-Channel Keystroke Inference Attacks on Modern Touchpads using Smartwatches", *Proceedings of the ACM International Symposium on Wearable Computers (ISWC)*, Osaka, Japan, pp. 27-30, September 2015.
- CP5. Murtuza Jadliwala, **Anindya Maiti** and Vinod Namboodiri, "Social Puzzles: Context-Based Access Control in Online Social Networks", *Proceedings of the IEEE/IFIP International Conference on Dependable Systems and Networks (DSN)*, Atlanta, Georgia, USA, pp. 299-310, June 2014.

Thesis and Dissertation

- TD1. **Anindya Maiti**, "Context-Aware Access Control: An Alternate Privacy Protection Mechanism for Online Social Networks", *Master's Thesis*, Department of Electrical Engineering and Computer Science, Wichita State University, Wichita, July 2014.

Awards and Honors

- ❖ Received Boeing GEI Travel Grant for attending ASIACCS 2016 in Xi'an, China • May 2016
- ❖ Received Dora Wallace Hodgson Outstanding Master's Thesis Award (a university-wide best thesis award) • 2015
- ❖ Received SGA Travel Grant for attending UbiComp/ISWC 2015 in Osaka, Japan • September 2015
- ❖ Received NSF Student Travel Grant for attending DSN 2014 • June 2014
- ❖ Became fellow of the Golden Key International Honour Society • 2013

Relevant Technical Skills

Legend | **Expert** • *Advanced* • Intermediate

Programming & Scripting | {**C** • **C++** • **Java** • Visual Basic • **C#** • **Python**} • **MATLAB** • {{**PHP** • JSP • **Node.js**} • {**JavaScript** • VBScript • **HTML** • **CSS**} • {XML • JSON}} • {**CUDA** • OpenMP} • **LaTeX**

Cryptographic Libraries | **OpenSSL** • NaCl • Crypto++

Machine Learning | **WEKA** • Theano • TensorFlow • **PyBrain**

Cloud and Virtualization | **Amazon Web Services** • OpenStack • Windows Azure • **Hyper-V** • KVM • **VMware**

Application Development | **Android** • **Windows** • Linux • iOS • **Android Wear**

Miscellaneous | Git • **Apache Tomcat**

Professional Associations

- Association for Computing Machinery (ACM) • Student Member
- Institute of Electrical and Electronics Engineers (IEEE) • Student Member
- International Association of Engineers (IAENG) • Member

References

- ❖ Dr. Murtuza Jadliwala
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- ❖ Dr. Jibo He
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