

# Imtiaz Ahmad

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## RESEARCH INTEREST

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Usable Privacy and Security, Human-Computer Interaction, Accessibility, Social Computing, Online Privacy

## EDUCATION

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### PhD Candidate, Computer Science

Graduation: Summer 2022 (Expected)

*Indiana University, Bloomington, Indiana, United States*

Advisor: [Apu Kapadia](#)

**Dissertation:** *Towards User-Centric Sensor Designs for Addressing Privacy Issues of Shared Smart Devices*

### MSc, Computer Science

Spring 2019

*Indiana University, Bloomington, Indiana, United States*

### BSc, Computer Science

2009 – 2014

*Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh*

## EXPERIENCE

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### Research Assistant

Fall 2017 – Present

*[Privacy Lab](#), Indiana University, Bloomington, Indiana, United States*

- Exploring design ideas for smart assistants for reducing privacy tensions between incidental users and owners
- Investigating peoples' privacy behaviors in the context of photo sharing on social media
- Investigating the effectiveness of ambient indicators for raising privacy awareness among smart device users
- Explored bystanders' privacy needs and their privacy enhancing behaviors in the vicinity of IoT devices
- Investigated user experience and privacy implications of the new android permission model

### Teaching Assistant

*Indiana University, Bloomington, Indiana, United States*

- CSCI-A 542 : Technical Foundations of Cybersecurity (Spring 2021)
- CSCI-B 430 : Security For Networked Systems (Fall 2020)
- CSCI-B 433 : Secure Protocols (Spring 2018)

### Lecturer, Computer Science

January 2015 – July 2017

*United International University, Dhaka, Bangladesh*

- Theory: Discrete Mathematics, Data Structure, Data Communication, Digital Logic Design, Fundamentals of Electric Circuit
- Lab: Programming Language (C, C++), Assembly Language, Digital Logic Design

### Software Engineer

July 2014 – January 2015

*Web Development Team, [SSD-TECH](#), Dhaka, Bangladesh*

- Developed the front-end and back-end of [eCourier](#)

## PEER-REVIEWED CONFERENCE AND JOURNAL PAPERS

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- [J1] **Imtiaz Ahmad**, Taslima Akter, Zachary Buher, Rosta Farzan, Apu Kapadia, and Adam J. Lee. 2022. Tangible Privacy for Smart Voice Assistants: Measuring Users' Attitudes Towards User-Centric Sensor Designs. Proceedings of the ACM Journal: Human-Computer Interaction: Computer Supported Cooperative Work and Social Computing (PACM '22/CSCW '22) [To Appear].
- [J2] **Imtiaz Ahmad**, Rosta Farzan, Apu Kapadia, and Adam J. Lee, (2020). "Tangible Privacy: Towards User-Centric Sensor Designs for Bystander Privacy", In Proceedings of the ACM Journal: Human-Computer Interaction: Computer Supported Cooperative Work and Social Computing (PACM '20/CSCW '20).

- [J3] Adam J. Lee, Rosta Farzan, Apu Kapadia, and **Imtiaz Ahmad** (2020). “Making sense of risk in an increasingly cyber-physical world”, Critical Quarterly 62, 1 (2020), 40–48.
- [C1] Ashikur Rahman, Nawshad Rehan Rasha, **Imtiaz Ahmad**, Sirat Samyoun (2015). “Modeling Sparsity of Planar Topologies for Wireless Multi-hop Networks”, In Proceedings of The 13th International Symposium on Modeling and Optimization in Mobile, Ad Hoc and Wireless Networks ( WiOpt 15) , May 25-29, 2015 at the IIT Bombay, Mumbai, India, Acceptance rate 38.8%.

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#### PEER-REVIEWED WORKSHOP PAPER

- [W1] **Imtiaz Ahmad**. “Leveraging Tangible Mechanisms for Providing a True Sense of Privacy to Bystanders of Smart Devices”, Workshop on Designing for Data Awareness: Addressing Privacy and Security Concerns About “Smart” Technologie. Computer Supported Cooperative Work and Social Computing, (PACM '21/CSCW '21).

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#### TECHNICAL SKILLS

**Languages:** Python, R, C/C++, Java, SQL, Shell Script, Assembly, PHP, JavaScript, HTML/CSS  
**Research Methods:** Survey Design & Analysis, Interview Study, Usability Testing, Contextual Inquiry, Field Study  
**Developer Tools:** Git, Docker, Visual Studio, PyCharm, IntelliJ, Eclipse

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#### SYNERGISTIC ACTIVITIES

**Reviewer:** SOUPS 2022, SOUPS 2020, SOUPS 2019  
**Student Volunteer:** CHI 2022  
**Member:** Indiana University-Bangladesh Student Association (IU-BDSA)