

Syed Zami-Ul-Haque Navid

Tempe, Arizona

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Research Interests

- Assistive Technology
- Alternative Information Delivery Medium
- Emotion Recognition

Publication

Investigating the Security & Privacy Risks from Unsanctioned Technology Use by Educators

CHI EA

Easton Kelso, Ananta Soneji, **Syed Zami-Ul-Haque Navid**, Yan Shoshitaishvili, Sazzadur Rahaman, Rakibul Hasan

2025

- We surveyed educators and administrators from K-12 and higher education institutions
- Our work reveals risks associated with introducing shadow IT in institution's ecosystem

Static Detection of Malicious Code in Programs Using Semantic Techniques

11th ICECE

Syed Zami-Ul-Haque Navid, Protik Dey, Shamiul Hasan, Muhammad Masroor Ali

2020

- We studied the source code of several malware written in Java
- Our observations led to characterization of malware
- Finally, these characteristics were expressed through Code-Ontology

Research Experience

Impact of GDPR on Applications

Ongoing Research

- We want to learn if app users are more protected because of data privacy regulations
- The same Android application is observed in a country where GDPR applies vs where it does not
- Network and Android API logs are collected to characterize security and privacy behaviors

Impact of Regulatory changes in the US on Female Health Applications

Ongoing Research

- We want to learn how regulatory changes trigger evolution of applications
- The same Android application is observed before vs after the changes took effect
- Network traffic and API calls are logged and analyzed

A Study of Covid-Related Fake News in Bengali on Facebook

2nd Author

- We created a dataset containing Covid-related Bengali Facebook posts
- Transformer-based SOTA models were trained and evaluated on the dataset
- Analyses included the prevalence of fake news and people's reaction to misinformation

Education

Arizona State University

Tempe, Arizona

PhD in Computer Science

August, 2023 - Present

- **Noteworthy Courses:** Software Security, Data Mining, Info Assurance & Security, Advanced Data and Information Privacy
- **Research:** Behavioral analysis of mobile applications with respect to regulatory changes

Bangladesh University of Engineering and Technology

Dhaka, Bangladesh

Bachelor of Science in Computer Science and Engineering

February, 2016 - February, 2021

- **Noteworthy Courses:** Computer Security, High-Performance Database Systems, Operating Systems, Computer Architecture, Simulation and Modeling, Fault-Tolerant Systems, Microcontrollers and Microprocessors, Discrete Mathematics, Concrete Mathematics
- **Undergraduate Thesis Supervisor:** Dr. Muhammad Masroor Ali

Skills

Android App Analysis Tools	API hooking with Objection/Frida, capturing network traffic with mitmproxy, adb
Languages	Python, C/C++, SQL, Java, Javascript, working knowledge in R
ML Frameworks and Libs	PyTorch, Scikit-Learn, Numpy, Pandas, OpenCV
Simulators and Tools	Cisco Packet Tracer, Wireshark, NS2, Logisim, Proteus, Protege

Teaching Experience

Arizona State University

Tempe, Arizona

Graduate Teaching Associate

- I taught CSE 110, Principles of Programming
- I was on the instructor team of CSE 467, Data and Information Security

ASU Cybersecurity High School Internship Program

Tempe, Arizona

PhD Mentor

- I mentored a high school student on his research project on the evolution of *EdTech* mobile application

Development Experience

Populate

NY, USA

Software Development Engineer in Test (Full-time Remote)

January, 2023 - July, 2023

- Performed manual testing of the Populate EMR system
- Laid the foundation of *unit testing*
- Recruited, managed and trained a team of SDETs

Enosis Solutions

Dhaka, Bangladesh

Software Engineer (Full-time)

March, 2021 - June, 2022

- Worked on both the front-end and the backend
- Developed features according to the client's specifications
- Fixed bugs found in the production environment
- Technology: .NET framework, Angular, MS SQL Server, SSDT, SSRS

Achievements

- 2017 **Rank: 137th**, Asia Dhaka Regional Site Online Preliminary Contest
- 2020 **Rank: 3108th**, Google Hash Code Online Qualification Round
- 2020 **Rank: 3529th**, Google Kick Start Round G
- 2020 **Winner**, COVID-19 Idea Contest by IEEE Computer Society BUET Student Branch Chapter

References

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