

Seminar



Leveraging AI-based Approaches to Solve Cybersecurity Problems

Abstract. Cybersecurity is a complex socio-technical problem - touching virtually every facet of our lives. This talk will cover cybersecurity problems in multiple settings such as IoT environments and web platforms. As solutions to cybersecurity problems, AI techniques such as machine learning, deep learning, and artificial immune systems are discussed. The efficacy and limitations of these techniques for IoT intrusion detection, ransomware detection, and phishing website detection are presented .

Biography. Dr. Mohd Anwar is a professor, a center director, an RTI Scholar, and an interdisciplinary computer scientist with research expertise in two main areas: (1) cybersecurity and (2) smart and connected health. The former is focused on intrusion/malware detection, usable security, cyber identity and differential privacy, and the latter is focused on mHealth technology-based individual-level health monitoring and health service delivery as well as AI-powered, secondary data-driven (e.g., social media data) public health monitoring. Towards pursuing his research goals, he uses AI, Human-Computer Interaction (HCI), and Data Science techniques as well as apply theories from Social Sciences (e.g., Protection Motivation Theory, Theory of Planned Action, etc.) to design solutions. Dr. Anwar has more than 100 peer-reviewed publications (h-index: 21, i10-index: 39), and his research has extensively been funded by NSF, DoD, NSA, Air Force, EPA, and NIH.



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Friday April 22, 2022

Time: 2:00 - 3:00pm

Microsoft Teams
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