Md Sakib Anwar

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Research Interests

Program analysis, symbolic execution, memory safe language, logical vulnerability assesment

Education

The Ohio State University, PhD in Computer Science – USA   2026
- Advancing Logical Vulnerability Assessment via Detection & Input Generation
- Member of Seclab ↗ & W3CIL ↗

The Ohio State University, MS in Computer Science – USA   2024

University of Dhaka, BSc in Computer Science – Bangladesh   2019

Publications

GoSonar: Detecting Logical Vulnerabilities in Memory Safe Language Using Inductive Constraint Reasoning ↗   2025
Md Sakib Anwar, Carter Yagemann, Zhiqiang Lin
IEEE S&P

Extracting Threat Intelligence From Cheat Binaries For Anti-Cheating ↗   2023
Md Sakib Anwar, Chaoshun Zuo, Carter Yagemann, Zhiqiang Lin
RAID

A Comparative Study on GPR-based Indoor Positioning Systems ↗   2018
Md Sakib Anwar, Fariha Hossain, Nusrat Mehajabin, et el
ICIET

Experience

Summer Research Mentor, NSF AI Edge Institute   SU'22
- Mentored undergraduate researcher in program analysis and reverse engineering in developing a cheat for an open-source Unity game, fostering practical application of learned concepts.

Graduate Teaching Assistant, The Ohio State University   SP'21, AU'21
- CSE 1222: Conducted lab sessions, graded assignments and exams, and provided student assistance during office hours.

Software Engineer, KONA Software Lab Limited – Bangladesh   2019 – 2020
- Developed and maintained the backend of a digital financial system using the Spring framework (JAVA) and Oracle database as part of the Digital Financial Service team.

Treasurer, IEEE Computer Society Student Branch Chapter – University of Dhaka   2018 – 2019
- Organized workshops and seminars based on student needs, which introduced cutting-edge technologies used in research and industry

Academic Services

External Reviewer   2021 – 2025
- USINEX, IEEE S&P, NDSS, CCS, RAID, ACSAC