Md Sakib Anwar

2015 Neil Ave, Columbus, OH | anwar.40@osu.edu | mdsakibanwar.github.io

Research Interests

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

Education

The Ohio State University, PhD in Computer Science – USA — 2025
- 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 Internship Mentor, The Ohio State University — SU'22, SU'25
- Mentored students on reverse engineering, program analysis, and OSS security—projects included a Unity game cheat and metadata amplification dataset.

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
- Built and maintained backend for a digital financial system using Spring (Java) and Oracle DB.

Treasurer, IEEE Computer Society Student Branch Chapter – University of Dhaka — 2018 – 2019
- Organized workshops and seminars on emerging research and industry technologies based on student needs.

Grants

Student Travel Grant, IEEE S&P — 2025

Academic Services

External Reviewer: USINEX, IEEE S&P, NDSS, CCS, RAID, ACSAC [2021-2025]