

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

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 [🔗](#) IEEE S&P'25
Md Sakib Anwar, Carter Yagemann, Zhiqiang Lin

VerDiff: Vulnerability Presence Verification for Comprehensive Reporting Using Constraint Programming ACSAC'25
Md Sakib Anwar, Carter Yagemann, Zhiqiang Lin

Extracting Threat Intelligence From Cheat Binaries For Anti-Cheating [🔗](#) RAID'23
Md Sakib Anwar, Chaoshun Zuo, Carter Yagemann, Zhiqiang Lin

A Comparative Study on GPR-based Indoor Positioning Systems [🔗](#) ICIET'18
Md Sakib Anwar, Fariha Hossain, Nusrat Mehajabin, et el

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 as part of a team

Treasurer, IEEE Computer Society Student Branch Chapter – University of Dhaka 2018 – 2019
◦ Organized workshops and seminars on emerging research and technologies

GRANTS

Student Travel Grant, IEEE S&P 2025

Student Travel Grant, ACSAC 2025

PATENTS & DISCLOSURES

VerDiff: Automated Vulnerability Version Detection for Open Source Security 2024
Provisional Patent, Technology Disclosure, The Ohio State University, T2024-006 [🔗](#)

ACADEMIC SERVICES

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

Journal Reviewer: ACM Computer Surveys 2025