Sartaj Jamal Chowdhury

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EDUCATION

Southeast Missouri State University	Cape Girardeau, MO
Master of Science in Cybersecurity	Spring 2025
	GPA 4.00/4.00

BRAC University	Dhaka, Bangladesh
Bachelor of Science in Computer Science	May 2022
Honors: Highest Distinction, Vice Chancellor's List, Dean's List	GPA 3.81/4.00

WORK EXPERIENCE

Southeast Missouri State University — Cape Girardeau, MO
Graduate Assistant — Fall 2024
- Assisting Instructor with the courses: Intro to Web Development; Web Development Security
- Continuing Research on Remote IoT Lab Communication Security

University of Missouri: Fisher Delta REEC — Portageville, MO
Summer Research Intern — Summer 2024
- Smart Greenhouse Project: An Advanced Greenhouse Irrigation System
- IoT Wireless Network Security Research

Southeast Missouri State University — Cape Girardeau, MO
Research Assistant — Spring 2024
- Mouse-in-the-Middle: A Bluetooth Low Energy Mouse hacking and security enhancement
- Studying Robotics Arm

Bashundhara Group — Dhaka, Bangladesh
Assistant Executive (IT Security Analyst) — July 2022 – November 2023
- Deployed Cortex XDR on 1500+ IT assets and performed vulnerability management
- Implemented Secure SDLC practices in 30%+ in-house application under development

BRAC University — Dhaka, Bangladesh
Student Tutor for the Department of Mathematics and Natural Science — September 2021 – May 2022
- Assisted with courses Mathematics III: Complex Variables & Laplace Transformations

Teacher's Assistant for the Department of Mathematics and Natural Science — June 2020 – April 2021
- Assisted teachers with course content creation, (Tools: LaTeX, MS Office, edX Studio)

TECHNICAL SKILLS

• C++	• Wireshark	• GNU Debugger	• LaTeX
• Python	• Cortex XDR	• Ghidra	• MS Office
• Firmware Dev	• BurpSuite	• Robotics	• DBMS

CERTIFICATIONS

• Certified in Cybersecurity (CC) – (ISC)^2 - [2024-2026]	• Cybersecurity Exam Development Volunteer – (ISC)^2 - [2023]

PUBLICATIONS

Occluded Object Detection for Autonomous Vehicles Employing YOLOv5, YOLOX, and Faster R-CNN
- Published at IEMCON 2022 in Vancouver, October 2022. (Link)
- Developed a dataset, pre-processed data, and experimented with ML models for occluded object detection.

Bangladeshi Paper Currency Recognition Using Lightweight CNN Architectures
- Published at IICAIET 2022 in Kota Kinabalu, September 2022. (Link)
- Enhanced a dataset and investigated CNN-based architectures for Bangladeshi paper note recognition.

LANGUAGES

• Bengali (Native)	• English (Fluent)