

# Harshit Garg

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## EDUCATION

### Georgia State University

*Bachelor of Science in Computer Science*

Atlanta, GA

- GPA: 3.70, Microsoft Scholar 2024.

## CERTIFICATIONS

- ISC2: Certified in Cybersecurity
- Microsoft Cybersecurity Analyst Professional Certificate

## TECHNICAL SKILLS

- **Tools:** SIEM, Wireshark, nmap, Entra ID, Kali Linux, Metasploit, Virus Total, CyberChef, Docker, Shodan, VMWare
- **Security & Networking:** Threat Detection, Incident Response, IAM (Identity and Access Management), Malware Analysis, OSINT
- **Programming:** Python

## EXPERIENCE & PROJECTS

### Mission Omega

September 2024 - Present

*IT & Security Intern*

Remote

- Optimized security policy framework by reviewing and consolidating over 1800 policies, reducing redundancy by 30%, and ensuring full compliance with key security regulations.
- Automated software license assignment by implementing a ticketing workflow in HaloITSM, reducing processing time per request by 80% and saving 3+ hours per week.
- Configuring Microsoft Purview to implement data classification, perform risk assessments, and establish role-based access control (RBAC), enhancing data governance and security measures across the organization.

### Georgia State University

January 2025 - Present

*Learning Environment Support Technician - IIT*

On-Site

- Providing technical support for classroom IT/AV systems, ensuring timely resolution of issues in line with SLAs to minimize downtime
- Efficiently managing and documenting support tickets via ServiceNow, contributing to improved classroom operations and adherence to SLA targets.

### Real-Time Intrusion Detection System | Python, Scapy, Sklearn, NumPy, Threading, Logging, Nmap

February 2025

- Developed a real-time Intrusion Detection System (IDS) using Python, leveraging Scapy for packet capture, machine learning (Isolation Forest) for anomaly detection, and signature-based rules to identify threats, improving network security monitoring.
- Implemented a modular detection pipeline with a traffic analysis engine, hybrid detection mechanisms, and an alert system that logs and escalates threats, increasing system transparency and response efficiency.
- Tested and validated IDS performance using mock attack simulations, including SYN floods and port scans, ensuring accurate threat detection and demonstrating system effectiveness.

### Azure Active Directory (Entra ID) | Azure Active Directory (Entra ID)

February 2025

- Configured Single Sign-On (SSO) and implemented Conditional Access policies & RBACs using Azure AD to secure application access and enhance user authentication.
- Improved security and user experience by enforcing MFA, location-based restrictions, and simplifying login processes through automated configuration.

### GSU Technology Immersion Challenge (CTF) sponsored by Truist | OSINT, CyberChef, Wireshark, Docker

November 2024

- Led Cipher Soldiers as team captain to a top 10 finish (10th of 27 teams) in the CTF challenge, by solving 8 of 10 challenges and earning 4,525 points.
- Enhanced cybersecurity skills across reverse engineering, forensics, cryptography, and pwn categories through strategic problem-solving and collaboration.

### Incident Response Simulation | SIEM, Virus Total, Wireshark, Splunk

April 2024

- Conducted a simulated incident response using Wireshark, Splunk, and SIEM to investigate, detect, and mitigate security threats.
- Analyzed traffic logs, identified anomalies, and assessed IoCs using Splunk and VirusTotal, improving threat response efficiency by 15%.