

GOKUL SATHIYAMURTHY

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OBJECTIVE

Dedicated cybersecurity professional with hands-on experience in threat analysis and incident response, seeking part-time roles for Fall 2024 and Spring 2025, as well as a full-time position for Summer 2025. I aim to leverage my skills and contribute to cybersecurity initiatives through my expertise in vulnerability management and SIEM within a dynamic organization.

TECHNICAL SKILLS & CERTIFICATIONS

Programming Languages: Python, C, HTML, CSS, SQL Database, and KQL

Operating Systems: MAC OS, Windows, Unix, Kali-Linux, Ubuntu

Tools: Wireshark, Metasploit, Nmap, Burp suite, Splunk, Tcpdump, Regshot, firewall (Pfsense), Shell scripting and PowerShell

Productivity Suites & Frameworks: office 365 (Excel, Power BI, Azure AD, MFA, Defender ATP) and MITRE ATT&CK

Certifications: Security Operations Analyst Associate (Microsoft, 2023) | Cyber Security Essentials (Cisco, 2023) |

Python (Hacker Rank, 2023) | Security Fundamentals (AWS, 2023)

EXPERIENCE

Cantonica

New York, US

Security Engineer Intern

June 2024- September 2024

- Conducted vulnerability and open port scans, prioritized risks with MITRE ATT&CK, and collaborated on remediation, reducing security risks by 40% and improving threat detection by 30%.
- Assisted in incident response by developing plans, investigating incident reports, and implementing mitigation strategies, reducing resolution time by 25% and enhancing security monitoring by 20% through SIEM setup.
- Stayed updated with cybersecurity trends and engaged in continuous training, ensuring team adherence to best practices.
- Authored blogs on LinkedIn about Ensuring Robust Security in Progressive Web Apps (PWAs), contributing to industry knowledge and enhancing the Cantonica LinkedIn page

LTIMindtree LTD

Chennai, India

Dex Hunter (SOC analyst)

November 2022 - August 2023

- Investigated 100+ malware samples embedded in MS Office files, Customer logs, utilizing Reverse Engineering techniques for identifying risk, Digital forensics, vulnerability assessment, Security testing and threat intelligence enhancement
- Cataloged behavior of 50+ malware instances using Security software tools like Procmon, Nmap, and Regshot, leading to improved threat detection, mitigation, Endpoint Information security and incident response capabilities
- Analyzed 200+ Carbon Black alerts, refining security policy, protocols and enhancing system resilience, resulting in a 25% reduction in incident response time

Mindtree LTD

Chennai, India

MTE Threat Researcher

April 2021 – November 2022

- Improved incident handling and response capabilities by implementing EDR/MDR solutions, risk management and using MITRE attack tactics, techniques, resulting in a 30% reduction in IT Security incident resolution time
- Deployed automated threat hunting and advanced malware analysis techniques, integrating with Threat Intelligence Platforms (TIPs) to increase threat detection efficiency by 50% and enhance overall cybersecurity posture
- Executed over 1000 targeted threat hunts utilizing NIST and CIS controls, enhancing GRC (Governance, Risk, and Compliance) posture and cyber defense infrastructure

ACADEMIC WORKS

Foolish Firewall Configurations Challenge (pfSense)

November 2023

- Configured network firewall using NAT and Iptables to allow essential traffic (HTTP, HTTPS, SSH), enforced an implicit deny rule, and aligned TCP/IP routers and switches to enhance network administration security
- Established precise inbound rules on server host firewalls (Ubuntu, Windows, Linux) via iptables and Windows Firewall, limiting access to required ports (MySQL, SSH, Samba), enhancing overall system defense technology

EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems

New York, NY

Master of Science (MS) in Cybersecurity | GPA: 3.77/4

May 2025

Anna University, Panimalar Engineering College

Chennai, India

Bachelor of Engineering (BE) in Computer Science and Engineering | CGPA: 7.22/10

April 2020

ADDITIONAL ACTIVITIES

TECH DUELS debate at Pace University on Data Privacy versus National Security

April 2024

- Advocated for individual data privacy over national security, showcasing strong rebuttals, leading the team, consisting of three members, by answering 5 questions from the judges, and handled 4 audience inquiries, resulting in the growth of public speaking skill