

# GOKUL SATHIYAMURTHY

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**CYBERSECURITY PROFESSIONAL WITH EXPERTISE IN THREAT HUNTING, ETHICAL HACKING, PENETRATION TESTING, AND INCIDENT RESPONSE. SKILLED IN LEVERAGING TOOLS LIKE WIRESHARK, METASPLOIT, AND SPLUNK TO DRIVE THREAT MITIGATION.**

## EDUCATION

**Pace University**, New York, NY | **M.S. in Cybersecurity** | GPA: 3.77 May 2025

**COURSEWORK:** Network Security & Defense | Information Security Management | Ethical Hacking & Penetration Testing | Mobile Forensics Investigation | Automating Information Security Python & Shell Scripting | Cyber Security | Cyber Threat Intelligence  
**PROJECTS & THESIS:** Network Defense(firewalls) for Luna Bags | TerraGuard – policy validator | Automated PowerShell script monitoring to generate security reports | GAME THEORETIC INSPECTION OF WEB-BASED MALVERTISING | THE RISE OF ZERO TRUST – SEPARATING REALITY FROM MYTHS | DETECTION OF SQL INJECTION ATTACKS: A MACHINE LEARNING APPROACH

**Anna University**, Chennai, India | **B.E. in Computer Science & Engineering** | GPA: 3.61 April 2020

**COURSEWORK:** data structures & algorithms, Cyber forensics

**CERTIFICATIONS:** Microsoft certified security operations associate

## TECHNICAL SKILLS

**Programming Languages & Tools:** C, Python, JavaScript, React, Bash shell scripting, Jenkins, Ansible, Git

**Ethical Hacking & Penetration Testing:** Wireshark, Metasploit, Nmap, SIEM (Splunk), Procmon, Burp Suite, Elasticsearch

**Cloud Platforms & Databases:** AWS, Google Cloud, KQL, MySQL

**Networking & Frameworks:** TCP/IP, IPSec, FTP, LAN/WAN, DNS, HTTP, DHCP, VPNs, Firewalls, IDS/IPS, MITRE ATT&CK, NIST, CVSS, CISA, Office 365 (Power BI Tableau, Azure AD), Intune, Docker, Kubernetes, Terraform

**Operating Systems:** Unix/ Kali Linux, Ubuntu, MacOS, Windows

## PROFESSIONAL EXPERIENCE

**Cantonica, Inc.**, New York, NY | **Security Engineer Intern** June 2024 – September 2024

- Conducted vulnerability & open port scans, prioritizing risks using MITRE ATT&CK framework, reducing vulnerabilities by 40% while enhancing threat detection through improved SIEM monitoring & incident response.
- Authored blogs on Progressive Web Application security, boosting Cantonica's visibility & engagement.

**LTIMindtree Ltd.**, Chennai, India | **Cyber Security Analyst** November 2022 – August 2023

- Investigated 1,000 positive malware files & audited 200 critical IT alerts, reducing incident response times by 25% through advanced malware analysis & reverse engineering techniques.
- Developed & standardized 100+ security documents, detections using YAML and JSON, including mindmaps, security automation playbooks, & guidelines, ensuring compliance with industry standards & streamlining processes.
- Coordinated high-severity escalations involving ransomware cases like WannaCry, resolving issues & mitigating future threats through effective response strategies within limited time.

**Mindtree Ltd.**, Chennai, India | **MTE Threat Researcher** April 2021 – November 2022

- Conducted 1,000+ threat hunts, performing threat analysis, incident triaging, & documentation, mapping priorities according to MITRE ATT&CK framework.
- Deployed EDR/MDR and SOAR solutions, reducing security risk, threat resolution times by 30% & strengthening defense mechanisms and Risk management.
- Led 100+ security awareness, security research KT sessions across departments, promoting cybersecurity best practices.

## EXPERIENTIAL LEARNING

**Cyber Risk Assessment & Insurance Product for Fintech with American Technology Services (ATS)** November 2024

- Collaborated with Cybersecurity Analysts, Financial Risk Managers, and Marketing professionals to develop a cyber risk insurance product for Fintech, presenting the proposal to ATS leadership.
- Researched fintech cyber vulnerabilities, ranked impact using the MITRE framework, and devised mitigation strategies.
- Created a dynamic pricing model for the insurance product, securing 1st place among 5 teams and earning an invitation to an ATS cybersecurity event.

## EXTRACURRICULAR ACTIVITIES

National Cyber League | NSA Codebreaker Challenge | Cyber Quest | Tech Duels Debate (Data Privacy vs. National Security) | ISACA Student Volunteer | Active TryHackMe Participant