

AMIRTHAGANESH S

Computer Science & Cybersecurity Engineer

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PROFESSIONAL SUMMARY

Dedicated Cybersecurity student and enthusiast specializing in Defensive Operations and Infrastructure Hardening. Bridges the gap between core IT administration and proactive threat mitigation by leveraging Cybersecurity Frameworks, automation, and deep-packet analysis to secure organizational assets and specialized expertise in implementing AI-powered threat detection. Proven ability to leverage machine learning and automation to reduce alert fatigue and enhance incident response times. Seeking an entry-level SOC Analyst or Cybersecurity Engineer role to apply technical agility and an adversarial mindset in protecting critical infrastructure and responding to emerging threats in real-time.

EDUCATION

B.E. — Computer Science & Cybersecurity Engineering (2022 – 2026)

CGPA: 7.60

K.L.N. College of Engineering · Sivagangai, Tamil Nadu, India.

- Relevant Coursework: Network Security, Operating Systems, Cloud Computing, Database Systems, Ethical Hacking and Software Development.

TECHNICAL SKILLS

Core Security Skills

Networking: TCP/IP, OSI Model, IP Addressing, Subnetting, Firewall, VPN

Scripting: Python, Bash, PowerShell

Network Security Monitoring: Wireshark, Zeek, Suricata/Snort, Security Onion

Threat Detection & SIEM: Log Monitoring & Triage, Splunk, ELK Stack, Microsoft Sentinel, Wazuh (XDR)

Incident Response: IRP, Digital Forensics, Playbooks, Tabletop Exercises

Identity Management: Active Directory, GPO, MFA, SSO

Vulnerability Management: Nessus, Burp Suite, Nmap, System Hardening

Security Frameworks: NIST CSF, ISO 27001, MITRE ATT&CK®, OWASP Top 10

Foundational Engineering Skills

Programming: Python, C (Basics)

Systems & Infrastructure: Linux (Ubuntu, Kali), Windows & Linux Server

Cloud & Virtualization: AWS, Azure, VMware

DevOps & VCS: Git, GitHub, Docker

Database Management: MySQL, PostgreSQL

IT Support: Hardware Maintenance, Remote Desktop (RDP), Troubleshooting

Web Development: HTML, CSS (Basics), JavaScript (Basics)

PROJECTS

Meiyan — Threat Intelligence & Malware Analysis CLI

2026

Python · VirusTotal API · AbuseIPDB · Security Automation

- Built a parallelized CLI engine that synthesizes global security APIs into a singular, actionable threat verdict.
- Implemented custom-weighted scoring algorithms to automate indicator analysis and accelerate the investigative lifecycle.
- Reduced manual threat triage time significantly by automating multi-source indicator correlation.

Mithran — Voice AI Agent

2025

Python · LiveKit Agents · OpenAI Realtime API · WebRTC

- Developed a production-grade, real-time voice AI agent using LiveKit Agents and OpenAI Realtime API.
- Achieved near-human response latency for real-time listen-understand-speak interactions over WebRTC.

CyberSecurity_Lab_Setup

2024

Home Lab · Defensive Architecture · Network Security

- Designed and deployed a comprehensive home lab environment simulating real-world attack scenarios.
- Integrated Wireshark, Security Onion, Nessus, and Splunk for network monitoring, vulnerability assessment, and incident response.
- Validated defensive strategies and enhanced practical skills across multiple attack simulation exercises.

INTERNSHIP

Cyber Security Intern – Elevate Labs

Oct 2025 – Dec 2025

Cybersecurity · Threat Analysis · Skill India – MSME · Best Performer

- Completed a 6-week intensive cyber security internship contributing to real-world security projects and tasks, recognised as Best Performer by Elevate Labs.
- Demonstrated commitment, analytical thinking, and professionalism throughout the internship period under the Skill India – MSME initiative.
- Applied knowledge in threat detection, security analysis, and incident response in a professional team environment.

CERTIFICATIONS

Google Cybersecurity Professional Certificate

Issued 2026

Validated foundational cybersecurity skills including risk management, threat analysis, and network security.

Cisco – Junior Cybersecurity Analyst Career Path Exam

Issued 2026

Recognized mastery of cybersecurity principles including threat intelligence, risk management, asset security, network security and security operations.

APISEC – API Security Fundamentals 2025

Issued 2026

Comprehensive introduction to API security covering OWASP API Security Top 10, real-world breach examples, and API attack patterns.

Udemy – Learn Ethical Hacking from Scratch (by Z Security)

Issued 2025

Recognized expertise in identifying vulnerabilities, penetration testing, and implementing robust security measures.

PROFESSIONAL SKILLS

Communication: Relaying risk to stakeholders and collaborating with cross-functional teams.

Problem Solving: Analyzing complex issues and developing effective, systematic solutions.

Adaptability: Rapid learning of zero-day exploits and emerging attack vectors.

Time Management: Prioritizing tasks during high-pressure incidents and managing multiple projects.

Teamwork: Collaborating across departments to implement and validate security measures.