

Sivamani Vinukonda

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SKILLS

- **Programming & Automation:** Python, Bash, Terraform, Git, YARA
- **Cloud & Platforms:** AWS (IAM, EC2, S3, CloudWatch, CloudTrail), Microsoft Azure
- **Operating System:** Windows, Linux
- **Security Tools:** Wireshark, Burp Suite, Nmap, Nessus, Metasploit, Splunk
- **Cybersecurity:** Network Security, Vulnerability Management, OWASP Top 10, Malware Analysis(Basic Level)
- **Soft Skills:** Problem-Solving, Collaboration, Analytical Thinking

TRAINING

Summer Training at Lovely Professional University

Jun '24-Jul '24

- Automated security tasks by scripting user account provisioning for 50+ employees, improving compliance and reducing onboarding errors by 40%.
- Enhanced cloud-readiness by building automated disk monitoring systems with alerts, eliminating manual checks and preventing downtime.
- Optimized network security operations with Bash automation for static IP/DNS configurations, cutting errors by 35%.
- Hardened system defenses by automating firewall configurations (iptables/firewalled), reducing unauthorized access.

PROJECTS

AWS Terraform Infrastructure

Jun '25

Link: [AWS-Terraform-infra](#)

- Deployed secure AWS infrastructure (VPC, subnets, EC2) using Terraform, automating provisioning and reducing manual setup by 80%
- Configured IAM user roles and access policies, ensuring compliance with least-privilege security principles.
- Streamlined infrastructure lifecycle management (init, apply, destroy) through Terraform workflows, improving deployment speed and reproducibility.

TechCorp IAM Implementation

Dec '24

Link: [techcorp-iam-implementation](#)

- Completed a Forage Virtual Job Simulation focused on IAM, practicing deployment, testing, and monitoring of enterprise-grade access controls
- Configured role-based access policies to strengthen authentication/authorization while improving user experience.
- Performed unit, integration, and security testing on IAM workflows, identifying gaps in policy enforcement and access restrictions.
- Created training materials and audit plans to support IT teams, streamline adoption, and ensure compliance with security standards.

Python Security Log Analyzer

Nov '24

Link: [Python-Log-Analyzer](#)

- Developed a Python script to automate web server log analysis, parsing files to detect and extract "404 Not Found" error patterns.
- Engineered logic using Python dictionaries to count and aggregate threat events, identifying the source IP addresses responsible for errors.
- Designed an automated reporting feature that sorts attackers by frequency and generates a security_report.txt highlighting the Top 5 threats for review.

CERTIFICATIONS

- AWS Cloud Practitioner Essentials – AWS Training Sep '25
- CompTIA Security+ - [CompTIA](#) May '25
- Quick Heal Digital Forensic Investigator – [Quick Heal Academy](#) Jan '25
- CompTIA Network+ - [CompTIA](#) Aug '24
- RedHat System Administration 1 (RH124) - RedHat Academy Jul '24

ACHIEVEMENTS

- Ranked in the Top 8% globally on TryHackMe, demonstrating practical cybersecurity problem-solving skills.
- Completed Pre-Security and Cybersecurity 101 pathways on TryHackMe, building strong foundations in networking, web security, and system security.
- Actively advancing through the 'Security Analyst' pathway on TryHackMe (In Progress), gaining hands-on skills in SIEM, threat intelligence, and incident response.

EDUCATION

- **Lovely Professional University** Phagwara, Punjab
B. Tech in Computer Science (Hons) Cyber Security
Expected Graduation, May 2026
- **Vidwan Junior Collage** Guntur, Andra Pradesh
Senior Secondary School Certificate Percentage: 91.5%
Jun '20 – Apr '22