

BALA PRASANNA GOPAL VOLISETTY

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CAREER PROFILE

Results-driven **Cybersecurity Engineer** with hands-on expertise in **SIEM, incident response, anomaly detection, and cloud security (AWS/GCP)**. Strong foundation in **security automation, network compliance (NIST 800-171, 800-53), and threat analysis**. Experience in **monitoring security logs, refining SIEM rules, and implementing cloud security controls** to mitigate threats effectively. Holds industry certifications, including **CompTIA Security+, CEH, CySA+, and AWS Cloud Practitioner**. Passionate about **threat intelligence, cloud security, and automated incident response**.

SKILLS

- **Security Operations & Incident Response:** SIEM (Splunk, Google SecOps), Threat Analysis, Anomaly Detection
- **Cloud Security:** AWS, GCP (Google Security Command Center), IAM, CloudTrail, GuardDuty
- **Network Security & Monitoring:** Palo Alto, Fortinet, IDS/IPS, Zeek, Sysmon, Wireshark
- **Compliance & Risk Mitigation:** NIST 800-171, 800-53, Security Audits
- **Security Automation & Scripting:** Python, Ansible, Terraform, Bash
- **Log Analysis & Forensics:** Sysmon, Splunk, Zeek, Security Command Center (GCP)

CERTIFICATIONS

Cisco & Security Certifications:

- CompTIA Security+
- Certified Ethical Hacker (CEH) v10
- CySA+ (Cybersecurity Analyst)
- AWS Certified Cloud Practitioner
- eJPTv2 (Junior Penetration Tester)

WORK EXPERIENCE

Teaching Assistant – Computer Systems and Security (CSEC 742)

Rochester Institute of Technology

Jan 2025 – Present

- Assisted in **network security analysis and SIEM rule refinement** to detect false positives.
- Implemented **security automation using Python** to streamline log analysis and threat monitoring.
- Configured **firewalls (Palo Alto, Fortinet)** and VPN security for secure system access.
- Conducted **incident response drills and analyzed security logs** for anomalies.

Cybersecurity Analyst (CTF Competitor)

National Cyber League, Hack The Box

Sep 2022 – Present

- Triaged **security incidents, analyzed attack patterns, and mitigated threats** using Splunk and Zeek.
- Refined **SIEM rules to limit false positives** and improve alert accuracy.
- **Configured cloud security policies (AWS/GCP)** to enhance security monitoring and threat detection.
- Developed **playbooks for automated incident response** and anomaly detection.

PROJECTS

Network Security & Infrastructure Automation

- Designed an **MPLS-based network with OSPF and BGP** for secure communication.
- Configured **Cisco ISE, VLANs, and firewall rules** for access control and secure authentication.
- Automated **threat detection and response** using Splunk, reducing manual analysis by 50%.
- Integrated **AWS GuardDuty & CloudTrail** for real-time security monitoring in cloud environments.

Windows System Administration & Network Security

- Managed **Windows Server environments**, including **Active Directory configuration and DNS/DHCP administration**.
- Implemented **Group Policy Object (GPO) settings for security hardening and system access control**.
- Designed **VPN tunnels and remote access configurations** for secure enterprise connectivity.

Security Information & Event Management (SIEM) Optimization

- Enhanced **Google SecOps (Chronicle Security) and Splunk SIEM rules** to improve detection accuracy.
- Implemented **automated playbooks** to streamline response for low-level security incidents.
- Developed a **log correlation strategy to reduce false positives** in security alerts.

EDUCATION

Rochester Institute of Technology, Rochester, NY

Master of Science in Cybersecurity

Aug 2022 – Present

Relevant Courses: Advanced Network Security, Web Server Application Security Audits, Computer System Security, Cryptography & Authentication, Cybersecurity Analytics, Machine Learning, Malware Analysis

Awards: 25% Graduate Student Scholarship for academic excellence.

KL University, Vijayawada, India

Bachelor of Technology in Electronics and Communications Engineering

Jul 2018 – Mar 2022

Specialization: Data Computing