

Pallavi

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Objective: Cybersecurity professional with hands-on experience in application security testing, vulnerability management, secure SDLC development, cloud security, and security automation, seeking to contribute to enterprise security operations and DevSecOps initiatives.

Skills

- **Application Security & Penetration Testing:** Web application penetration testing, SAST, DAST, SCA, SQL injection, secure code review, DevSecOps, CI/CD pipeline security
- **Vulnerability Management:** CVE analysis, CVSS scoring, risk prioritization, remediation tracking, application risk, and control assessments
- **Detection Engineering & SOC:** Alert triage, incident response, threat detection, log analysis, SIEM operations, IOC identification, MITRE ATT&CK mapping
- **Cloud Security:** AWS, Microsoft Azure, IAM, CloudTrail, GuardDuty, cloud log monitoring, and analysis
- **Security Tools:** Burp Suite, Splunk (Cloud), Nmap, Wireshark, Docker
- **Security Automation:** Python, Bash
- **Networking and Systems:** TCP/IP, DNS, HTTP/S, VPN, firewalls, IDS/IPS, encryption, authentication, and authorization
- **Security Frameworks:** MITRE ATT&CK, OWASP Top 10, NIST CSF, ISO 27001, CIS Controls

Experience

Toyota Insurance Management Solutions — Cybersecurity Intern (June 2026 – Present)

- Contributed to the Secure SDLC pipeline by evaluating and integrating SAST and SCA tools to detect vulnerabilities in application code and third-party dependencies at build time
- Collaborated with cross-functional development and security teams to embed automated security scanning into the CI/CD pipeline, aligned with OWASP Top 10 standards
- Conducted stakeholder interviews across business units to assess security operations effectiveness and identify gaps in current security processes
- Supported application security testing initiatives within an AWS cloud environment, gaining hands-on exposure to enterprise-scale DevSecOps practices

Investment Planning Counsel - Web Coordinator (August 2022 - Feb 2024)

- Built and maintained 100+ client advisor websites and coordinated cross-functional updates with stakeholders.

Cognizant Technology Solutions - Senior Process Executive (November 2017 - July 2020)

- Investigated content integrity violations and enforced ad policies, developing pattern recognition skills.

Projects

- **AI-Assisted Web Application Penetration Test**
 - Conducted a web application penetration test against OWASP Juice Shop using Burp Suite, exploiting SQL injection and JWT vulnerabilities, and built a Python tool using a local LLM to auto-generate structured vulnerability reports with severity ratings and remediation steps.
- **AI-Assisted SOC Alert Triage System**
 - Built a Python SOC alert triage pipeline that enriches source IPs against AbuseIPDB in real time and deploys Llama3 via Ollama to auto-generate investigation summaries mapped to MITRE ATT&CK.
- **CloudTrail Threat Detection**
 - Developed a Python script to detect high-risk AWS CloudTrail activity, including unauthorized IAM access and StopLogging events, and map findings to MITRE ATT&CK techniques.

Education

- MS in Computer Science – Cybersecurity, January 2025 - Present, GPA: 3.96
Sofia University
- PG Certificate In Software Quality Assurance and Test Engineering, April 2022 & PG Certificate In Computer Applications Development, April 2021
Conestoga College Institute of Technology And Advanced Learning
- Bachelor's In Electronics & Communications Engineering, May 2017
Indraprastha University