ANURAG TIWARI

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Professional Summary

Software Engineer with practical experience in Cyber Security, Security Operations Center (SOC), Information Security, Secure Software Development, Incident Response, Vulnerability Assessment, Network Security, and Penetration Testing. Experienced in secure application development using OutSystems, REST API integration, Linux administration, malware analysis fundamentals, security monitoring, log analysis, and security incident triage. Hands-on exposure to Nmap, Burp Suite, Wireshark, CIS-CAT, Scapy, and TryHackMe labs. Passionate about SOC operations, SIEM technologies including Splunk, IBM QRadar, ArcSight, LogRhythm, digital forensics, cloud security, and threat detection.

Education

Birla Institute of Technology, Mesra — Ranchi, India
Master of Computer Applications (MCA) | CGPA: 7.495 — *2024 – 2026*

Birla Institute of Technology, Mesra — Ranchi, India
Bachelor of Computer Applications (BCA) | CGPA: 8.63 — *2021 – 2024*

Experience

Software Engineer Trainee — Jun 2026 – Present
Adrosonic — *Pune, India*

- Develop enterprise-grade web applications using the OutSystems low-code platform while following Secure SDLC and secure coding best practices.
- Develop REST API integrations, troubleshoot production issues, analyze application logs, and collaborate with cross-functional teams for incident resolution.
- Support application security by implementing authentication, authorization, input validation, and vulnerability remediation while working in Agile environments.

Software Engineer Intern — Dec 2025 – Jun 2026
Adrosonic — *Pune, India*

- Built responsive enterprise applications, implemented business workflows, integrated REST APIs, and optimized application performance.
- Worked closely with senior developers to debug security issues, review application logs, perform root cause analysis, and follow secure software development practices.

Cyber Security Intern — Jun 2025 – Aug 2025
NullClass — *Remote*

- Performed vulnerability assessments using CIS-CAT and penetration testing using Nmap, Burp Suite, Wireshark, and Scapy to identify security weaknesses.
- Conducted log analysis, security monitoring, malware triage exercises, incident documentation, risk assessment, and recommended remediation strategies aligned with SOC operations.
- Practiced incident response, attacker Tactics, Techniques and Procedures (TTPs), network forensics, and security investigations through TryHackMe and Hack The Box labs.

Projects

Port Scanner for Network Vulnerability Detection | *Python, Socket Programming, Multithreading* — 2025

- Developed a multithreaded TCP port scanner capable of identifying open ports and active services for vulnerability assessment and security auditing.
- Generated scan reports to support reconnaissance, network security analysis, and incident investigation activities.

Hand Gesture-Based System Control | *Python, OpenCV, MediaPipe* — 2024

- Developed a real-time computer vision application using OpenCV and MediaPipe for touch-free system interaction.
- Implemented optimized image processing algorithms and real-time gesture tracking to improve usability and performance.

Technical Skills

Programming: Python, SQL, C, Socket Programming

Cyber Security: Security Operations Center (SOC), Information Security, Incident Response, Security Monitoring, Log Analysis, Vulnerability Assessment, Penetration Testing, Malware Analysis, Threat Detection, Network Security, Digital Forensics, Secure SDLC, Risk Assessment

SIEM & Security Tools: Splunk (Fundamentals), IBM QRadar (Knowledge), ArcSight (Knowledge), LogRhythm (Knowledge), Nmap, Burp Suite, Wireshark, Scapy, CIS-CAT, TryHackMe, Hack The Box

Identity & Infrastructure Security: Authentication, Authorization, PKI Fundamentals, Endpoint Security, Firewall Concepts, Web Application Firewall (WAF), Palo Alto (Basics), Check Point (Basics), Juniper Firewall (Basics)

Cloud & DevOps: Google Cloud Platform (Fundamentals), Cloud Security, REST API Integration

Platforms: OutSystems, Linux, Windows Server, ServiceNow (Fundamentals), Git

Analytics: Power BI, Dashboard Development, Data Visualization, Data Analysis

Certifications

- Certified AppSec Practitioner (CAP)
- Certified Network Security Practitioner (CNSP)
- TryHackMe – Top 1%