P Ganesh Krishna Reddy

+91-8374622779 pganeshkrishnareddy@gmail.com pganeshkrishnareddy.vercel.app
linkedin.com/in/pganeshkrishnareddy github.com/ganeshkrishnareddy

Summary

Cybersecurity fresher specializing in SOC operations, threat detection, incident response, and penetration testing, with hands-on experience in intrusion detection, SIEM/EDR monitoring (Wazuh), vulnerability assessment, web and mobile application security testing, log analysis, and security monitoring. Skilled in Linux administration, threat hunting, malware analysis, and vulnerability research across network, endpoint, and application layers. Passionate about identifying security risks, investigating threats, and strengthening organizational security posture through proactive defense and continuous learning.

Skills

Security Domains: SOC Operations, Penetration Testing, Application Security, Network Security, Threat Detection
Tools: Burp Suite, Wireshark, Wazuh (SIEM/EDR), Nmap, Metasploit
Detection & Defense: IDS/IPS, Phishing Detection, Log Analysis, Anomaly Detection
Programming: Python, Bash, JavaScript, HTML, CSS
Frameworks: FastAPI, Next.js
Concepts: OWASP ASVS, SSL Pinning, RBAC, API Security, CVE Research, Secure Storage

Experience

Zentoja Technologies Private Limited Apr 2026 – Present
Technical Lead (Cyber Security) *Remote*

- Established and implemented cybersecurity policies and security standards to strengthen the organization's security posture.
- Led security initiatives including vulnerability assessment, risk identification, remediation tracking, and security compliance.
- Developed security awareness resources, best-practice documentation, and security guidelines for internal teams.
- Performed threat analysis, log review, and incident monitoring to proactively detect and respond to security events.
- **Technologies:** Kali Linux, Burp Suite, Wireshark, Metasploit, Wazuh, Linux, Cloud Security

Projects

CRAG – Cognitive Resilience and Automated Governance Apr 2026 – Present

- Built an AI-powered third-party vendor risk monitoring prototype with real-time risk scoring (0–100) and automated alerts.
- Implemented RBAC for Admin/Vendor views, APScheduler-driven dynamic scoring engine, and compliance audit log.
- Designed a live glassmorphism dashboard with Chart.js visualizations for continuous vendor risk visibility.
- **Technologies:** Python, FastAPI, SQLAlchemy, JavaScript, Chart.js, Firebase
- **GitHub:** github.com/ganeshkrishnareddy/CRAG

IDS Defense – SOC-Grade ML Intrusion Detection Jan 2026 – Mar 2026

- Addressed lack of real-time visibility into network attacks faced by SOC teams handling high-volume logs.
- Developed a real-time intrusion detection system with ML-based anomaly detection and live SOC dashboards.
- Implemented XGBoost models with WebSocket streaming to detect DDoS, SQL injection, and brute-force attacks.
- Integrated high-volume network log ingestion pipeline to provide continuous visibility for SOC analysts.
- **Technologies:** Python, XGBoost, FastAPI, Next.js
- **GitHub:** github.com/ganeshkrishnareddy/IDS-Defense

MailShield – AI-Powered Phishing Defense Aug 2025 – Dec 2025

- Built an automated phishing detection system for email and URL analysis targeting enterprise spam filter gaps.
- Solved the problem of phishing emails bypassing traditional spam filters in enterprise environments.
- Applied heuristic-based AI analysis with sandbox validation for real-time threat classification and alerting.
- Engineered URL reputation checks and header anomaly detection to identify zero-day phishing campaigns.
- **Technologies:** Python, AI/ML Heuristics, API Security
- **GitHub:** github.com/ganeshkrishnareddy/mailsheild

Certifications

QuickHeal Certified Malware Analyst Dec 2025
CompTIA Network+, Security+, CySA+, PenTest+ Aug 2025
QuickHeal Certified Digital Forensic Investigator Jan 2025

Achievements

- Awarded the **Reliance Foundation Scholarship** worth **Rs. 2,00,000** for academic excellence in engineering.
- Participated in **Bug Bounty programs**, identifying and responsibly disclosing security vulnerabilities in web applications.
- Recognized as **Best Freelancer of 2024** by **IPSE**; completed **CS50** certification by **Harvard University**.

Education

Lovely Professional University 2022 – 2026
B.Tech in Computer Science and Engineering (Cyber Security) – CGPA: 7.51 *Punjab, India*

Narayana Junior College 2020 – 2022
Intermediate (MPC) – 79.4% *Andhra Pradesh, India*

Narayana E.M High School 2019 – 2020
Secondary Education – 98% *Andhra Pradesh, India*