

Pallavi Kathait

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Summary

Aspiring **Cybersecurity Specialist** with hands-on experience in penetration testing, vulnerability assessments, and system hardening. Conducted security audits using tools like **Metasploitable**, **Wireshark**, and **Nmap**, while actively participating in **Capture The Flag (CTF)** events to enhance problem-solving and critical thinking skills. Proven ability to identify and report vulnerabilities in real-world systems, supported by internships across multiple domains including **Java development** and **network security**. Passionate about continuous learning, with certifications in cybersecurity fundamentals and actively preparing for **CCNA** and **CCNP**.

Education

Bachelor of Science (B.Sc.) in Computer Science

Aug 2025 – Jul 2028

Hemwati Nandan Bahuguna Central University, Srinagar Garhwal

Developing core technical skills in programming, data structures, and computer systems.

Class XII (90%)

Mar 2021

Saraswati Vidhya Mandir

Experience

Cybersecurity Intern

Oct 2023 – Nov 2023

Next Gen Software Pvt. Ltd. (Remote)

- Conducted **vulnerability assessments** and provided remediation steps to strengthen system security.
- Authored detailed **incident reports** and contributed to drafting organizational security policies.
- Assisted in monitoring live systems using **SIEM dashboards** to detect anomalies and intrusion attempts.

Internship Trainee (Java Developer)

Oct 2023 – Nov 2023

Oasis Infobyte (Remote)

- Worked with **Java Collections**, **JSP**, and **JDBC** to improve backend processing efficiency.
- Implemented **database connectivity features** with JDBC for dynamic data handling.
- Contributed to a mini-project: a **student management system**, applying OOP concepts for modularity.

Cybersecurity Intern

Apr 2023 – May 2023

Academor (Remote)

- Gained hands-on exposure in **network security**, **vulnerability testing**, and **cyber threat analysis**.
- Strengthened understanding of **cybersecurity fundamentals and best practices**.
- Supported research into emerging cyber threats by simulating **attack scenarios** for training.

Projects

ALERTIX (Security Information and Event Management Tool)

- Designed and deployed a **SIEM solution** using the ELK stack, building dashboards to distinguish between productive and distractive activities while correlating logs across multiple sources in real time.
- Optimized parsing rules and anomaly detection logic, reducing false positives and enabling quicker and more reliable decision-making by administrators.
- Implemented automated log collection pipelines from multiple servers, increasing monitoring efficiency by **40%**.
- Delivered actionable security insights that directly improved response times and system resilience.

Skills

Cybersecurity Tools	Google Dorking, Metasploitable, SIEM, ELK Stack
Programming	Python, C, Shell Scripting
Operating Systems	Windows, Linux (Ubuntu, Kali)
Networking	TCP/IP, Wireshark, Nmap
Other	CTF Participation, Bug Bounty Hunting

Certifications

- Networking Basics, Introduction to Cybersecurity, Computer Hardware Basics (Cisco)
- CASA (APISec University)
- Preparing for CCNA and CCNP