

Jagadish Tripathy

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EDUCATION

Synergy Institute of Engineering & Technology, Dhenkanal

Aug 2023 - Jul 2027

Bachelor of Technology, Computer Science

Siddhibinayak Science & Higher Secondary Education, Angul

Jul 2021 - Apr 2024

Information Technology, Mathematics, Physics, chemistry

- **Percentage:**70%

EXPERIENCE

CODTECH IT SOLUTIONS *Researcher & Ethical Hacking Intern* (Hydrabad)

Sep 2024 - Oct 2024

- Executed high-impact penetration testing on enterprise networks and web applications, simulating sophisticated cyberattacks to identify and neutralize critical security gaps.
- Reinforced system resilience and threat intelligence through deep forensic network packet analysis, utilizing cutting-edge security tools for proactive threat detection and mitigation.
- Produced in-depth forensic security reports with PoC, delivering strategic remediation roadmaps to fortify cyber defenses and ensure regulatory compliance.

Yhills edutech private limited *Penetration Tester Intern* (Uttar Pradesh)

Jul 2024 - Aug 2024

- Performed in-depth OS security assessments, identifying and exploiting misconfigurations, privilege escalation flaws, and kernel vulnerabilities in Windows and Linux environments.
- Executed advanced post-exploitation techniques, leveraging tools like Metasploit, Nmap, and spiderfoot to escalate privileges, extract credentials, and simulate real-world attacks.
- Developed detailed forensic reports with PoC, documenting exploited OS vulnerabilities, attack vectors, and strategic remediation plans to enhance system security.

SKILLS

Wazuh | Snort | SQL Injection | Penetration Testing | Burp Suite | Networking | SpiderFoot | OSINT | Metasploit | Nmap | Docker | Android | Windows | Cent OS | Linux |

PROJECTS

Email Phishing Detector

Dec 2024

- Developed an automated phishing detection system, integrating VirusTotal API for real-time URL scanning, threat classification, and risk assessment.
- Implemented an intelligent quarantine and alerting mechanism, leveraging behavioral analysis and threat intelligence to isolate threats and notify the security team.

Network Packet Analyzer

Nov 2024

- Engineered a real-time packet interception framework, leveraging deep packet inspection (DPI) to analyze live network traffic from specified interfaces for threat intelligence.
- Implemented a comprehensive protocol dissection engine, supporting TCP, UDP, and ICMP, extracting low-level metadata to detect anomalies and potential security threats.

Password Complexity checker

Oct 2024

- Developed a robust password policy enforcement module, validating minimum length requirements and complexity constraints to mitigate weak credential risks.
- Integrated an intelligent strength assessment system, leveraging entropy calculations to ensure character diversity and provide real-time security feedback.

HONORS & AWARDS

BPUT Tech Carnival — Showcasing strategic innovation & execution. — **HONOR**

Nov 2024

SYNBOT — An AI assistant using Google Gemini API for SIET, Dhenkanal queries.— **HONOR**

Dec 2023

CERTIFICATIONS

Google (Google Cybersecurity) — **Certified Cybersecurity Practitioner**

Sept 2024

Red Hat & IBM (Linux and Private Cloud Administration) — **Certified Private Cloud Administration**

Oct 2024

Operating System Administration (IBM) — **Certified Operating System administration**

Dec 2024