AABHASH PAUDEL

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EDUCATION

Bachelor in Computer Science & Engineering (Cybersecurity Specialization), 11/2022 – 04/2026
Sri Venkateswara College of Engineering and Technology Andhra Pradesh, India
- GPA: 8.16
(Affiliated with Jawaharlal Nehru Technological University, Anantapur)

WORK EXPERIENCE

Cyber Security Intern, *IIDT with APSHE and Blackbucks Engineering virtual Internship* 07/2024 – 09/2024
- Conducted over 20 penetration tests using Metasploit and Burp Suite.
- Identified and reported 10+ critical vulnerabilities, including SQL injection and misconfigured authentication mechanisms
- Performed detailed log analysis and network traffic monitoring to trace attack patterns, suspicious activities, and potential intrusion attempts.

Teacher, *Candid Career Secondary School* F091, Suryabinayak, Nepal
- Taught 100+ students in Computer Science, Mathematics, and Science (Grades 6-10).
- Provided mentorship and guidance to improve students' technical skills.
- Designed 5+ interactive lesson plans integrating Information Technology and Cybersecurity concepts.

PROJECT

In-Depth Vulnerability Scanner, *(Python, Metasploit)*
- Built a custom automated vulnerability scanner integrating Nmap + Metasploit.
- Reduced manual vulnerability assessment time by 60%.
- Detected 15+ security flaws in a simulated enterprise network.
- Logged results in a structured format similar to SOC alert reports.

Server Professional, *L&T EduTech Submission*
- Configured Active Directory and implemented Group Policies for security hardening.
- Enforced password policies, authentication rules, and disabled insecure configurations.
- Simulated a multi-user enterprise environment using VirtualBox.

Malware File Classifier, *ML-Based PE Malware Detection System*
- Built an end-to-end static malware detection system using **LIEF + EMBER features (2,300+ features)**
- a **model achieving ~98% accuracy** (3 model used)
- Developed a **Flask REST API backend and React (Vite) frontend** for real-time file scanning with sub-100ms inference latency

CERTIFICATES

- - Linux System Administration - Certification L&T Edutech
- - Secure Networking - Certification by L&T Edutech
- - SOC Analyst Learning Path (In Progress)
- - MITRE ATT&CK Framework- By Lets Defend

SKILLS

Cybersecurity / SOC Skills
- Log analysis, alert investigation, event triage
- Phishing email analysis, web attack detection, IOC identification
- MITRE ATT&CK, Cyber Kill Chain, OWASP Top 10

Tools
- Splunk, ELK Stack, LetsDefend SIEM, Security Onion
- Burp Suite, Nmap, Wireshark, Metasploit

Languages:
- Java, Python, HTML, CSS, JavaScript, Shell, SQL

AWARDS

HTB ACOLYPSE CTF 2025 Hack The Box
173 Global Rank