ANANT KUMAR PANDEY

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🌐 Portfolio: sh4dowkey.github.io | 🔗 GitHub: github.com/sh4dowkey

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💼 SUMMARY

Aspiring cybersecurity professional with a strong focus on offensive security, penetration testing, and red teaming. Hands-on experience with Active Directory attack labs, web vulnerability scanning, and Python/Go-based security automation. Skilled in tools like Burp Suite, Nmap, and BloodHound. Eager to contribute to real-world VAPT or red team projects.

🎓 EDUCATION

- B.Tech in Computer Science – Trident Academy of Technology, Bhubaneswar | 2022 – Present | CGPA: 8.2
- 12th – St. Mary's Higher Secondary School, Jharsuguda | 2022 | 90%
- 10th – St. Mary's Higher Secondary School, Jharsuguda | 2020 | 92.4%

📄 CERTIFICATIONS

- Google Cybersecurity Professional Certificate
- EC-Council C|CT – In Progress

🛠 SKILLS

- Cybersecurity: Offensive Security, Web Pentesting, Threat Analysis, Recon, Secure Data Hiding, Active Directory Attacks & Defenses
- Tools: Wireshark, Nmap, Burp Suite, Metasploit, Nessus, OpenSSL, Shodan, BloodHound, theHarvester, DNSdumpster
- Programming: Python (Proficient), Java, C, Go; Familiar with C++, SQL, JavaScript

🔏 PROJECTS

- StegoHide – Python, OpenCV, Tkinter, PIL
    ‣ GUI tool for encrypting and hiding text in images with pixel-level encoding and password protection.
- CLI Web Crawler – Python, Requests, BeautifulSoup, urllib
    ‣ Terminal-based crawler for link discovery and parameter extraction for vulnerability scanning.

- AD Attack-Defense Lab – Windows Server, Kali, BloodHound
  - ‣ Simulated enterprise AD environment for red/blue team practice.

🗐 TRAINING PROJECTS

- Cybersecurity Capstone – AICTE-Edunet Foundation | Remote | Jan–Feb 2025
  - ‣ Built a Python steganography tool using AES/RSA encryption.
  - ‣ Performed scanning and simulations with OpenSSL, Wireshark, Nmap.
- Cybersecurity Capstone – Teachnook | Remote | Feb–Mar 2025
  - ‣ Developed CLI web crawler and practiced OWASP Top 10 on lab setups.
  - ‣ Hands-on with Burp Suite, Metasploit, and CTF labs.

🌍 OPEN SOURCE CONTRIBUTIONS

- Open Source Contributor – Pwndbg (GDB Enhancement Tool)
  - o GitHub: : github.com/pwndbg/pwndbg
  - o Refactored the cymbol module with subcommands to enhance CLI usability and modularity.
  - o Aligned CLI behavior with modern standards for advanced debugging flows.
  - o Followed open-source best practices: Ruff formatting, testing, and documentation.
  - o Collaborated with maintainers; merged post positive code review.
  - o Technologies: Python, GDB, Git, argparse, OSS workflows