Suvadip Pramanik

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Education

B.Tech, Computer Science and Engineering (Cybersecurity)	**2022 – 2026**
Vellore Institute of Technology, Bhopal	*CGPA: 7.73*
XII Grade (CBSE)	**2020 – 2021**
Army Public School, Barrackpore	*Percentage: 87%*
X Grade (CBSE)	**2018 – 2019**
Army Public School, Jaipur	*Percentage: 89.46%*

Experience

Penetration Testing Intern — **Feb 2025 – Apr 2025**
VARX Tech LLP — Letter
- Selected for a 60-day internship to contribute to penetration testing projects, focusing on identifying security vulnerabilities and collaborating with the cybersecurity team.

Projects

Network Scanner — Open-source
Built a WiFi scanner using Micro Python for programming the Raspberry Pi Pico WH. Captured SSID and RSSI values of local networks using an OLED display for visualization and simulated passive footprinting.

Lightweight-NIDS — Open-source
Developed a simple yet effective network intrusion detection system running on a raspberry pi zero 2w development board. This features two different approaches: one with just a python script the other being a random forest classifier.

WiFi-Pineapple — Open-source
Developed a WiFi Pineapple with an evil portal feature. This project features a rogue AP of Raspberry Pi pico WH that redirects traffic to a phishing site running on a Raspberry Pi Zero 2W.

picoCTF Solutions & Writeups (2019–2025) — Open-source
Authored 100+ writeups across cryptography, forensics, reverse engineering, and web exploitation. The repository aids beginners and ranks among top community resources.

Certifications

Certified Ethical Hacker v13 (EC-Council) — *Expected 2025*
Enrolled in CEHv13ai program focusing on footprinting, enumeration, vulnerability analysis, and exploit development.

Hands-on Penetration Testing on Termux (EC-Council) — **2025**
Certificate Link

Introduction to Networking and Cloud Computing (Coursera) — **2023**
Certificate Link

Cyber Security Threat Vectors and Mitigation (Coursera) — **2023**
Certificate Link

Technical Skills

– **Domains**: Ethical Hacking (CEHv13ai), Web Security
– **Programming Languages**: Python, Java, Bash, MySQL
– **Operating Systems**: Linux (Kali, Ubuntu), Windows
– **Tools & Frameworks**: Git, Burp Suite Pro, Wireshark, Nmap, Metasploit, NIST CSF, ISO 27001.

Achievements & Activities

– Ranked in the top 3800 globally in picoCTF 2025 among 18,000+ participants.
– **Designing Team Head**: Vitronix club, VIT Bhopal (2024)
– **Interests**: Capture The Flag (CTF) competitions, cyber security writeups, repository branding, OWASP, technical documentation.