Ravindra Pandit Ahire

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Professional Summary

Aspiring cybersecurity professional with practical exposure to network security labs, open-source tools, and hands-on experience in IT hardware troubleshooting. Recently completed a cybersecurity training program by Pregrad with projects in Nmap scripting and Snort-based IDS. Passionate about defensive security, digital hygiene, and supporting secure computing environments.

Skills & Expertise

- Network Scanning, IDS (Snort), Threat Detection
- Linux System Usage, OS Deployment (Windows/Linux)
- Basic Python for Security Tools
- Git & GitHub Workflow
- IT Hardware Troubleshooting & Repairs
- Android Development (Java/XML)
- AWS (IAM, EC2, S3 - Beginner)

Education

B.E. in Artificial Intelligence and Data Science (Direct Second Year) Savitribai Phule Pune University (SPPU)	2023 – Pursuing
Diploma in Computer Engineering (84.23%) Sandip Foundations, Sandip Polytechnic, Nashik	2023
HSC (Maharashtra Board) (69.85%) MSG College, Malegaon (Nashik)	2020
SSC (Maharashtra Board) (87.00%) LVH Secondary School, Nashik	2018

Training & Certifications

Completed Cybersecurity Training Program by Pregrad — 2025

- Gained foundation in cybersecurity, vulnerability scanning, and penetration basics
- Hands-on with Snort, Nmap, Kali Linux, Wireshark, Metasploit
- Built guided projects focused on threat detection and network mapping

Completed Cybersecurity Internship at Prodigy InfoTech — 2025

- Developed security tools and scripts using Python, including keyloggers, encryption tools, and packet sniffers
- Gained practical experience with network traffic analysis, ethical hacking, and vulnerability testing
- Collaborated on various cybersecurity projects with hands-on experience in tool development and testing

Projects & Work Experience

- **1. Caesar Cipher Implementation:** Developed a Python-based Caesar Cipher tool for basic encryption and decryption tasks, showcasing string manipulation techniques.
  GitHub: `https://github.com/HackRore/PRODIGY`$_C S_1$
  $YouTube$: `https://youtu.be/Uux6OirWXVw?si=pHWlOPbrl_Vrugvf`

- **2. Image Encryption and Decryption Tool:** Created a Python tool to encrypt and decrypt images using pixel-wise transformations to demonstrate basic security concepts.
  GitHub: `https://github.com/HackRore/PRODIGY`$_C S_2$
  $YouTube$: `https://youtu.be/RwTI3LO1bOs?si=Ad_rEOG5eE4ZsMfK`

- **3. Password Strength Checker:** Designed a real-time password complexity evaluation tool that gives feedback on password security improvements.
  GitHub: `https://github.com/HackRore/PRODIGY`$_C S_3$
  $YouTube$: `https://youtu.be/x6JetiaaKzY?si=17L1_ch7cHJt1kNy`

- **4. Keylogger Tool (Educational Purpose):** Implemented a secure CLI-based keystroke logger in Python using the `pynput` library, focused on ethical cybersecurity learning.
  GitHub: `https://github.com/HackRore/PRODIGY`$_C S_4$
  $YouTube$: `https://youtu.be/_DLANiYPFCU?si=cQvy72h1VGgCQ4Hr`

- **5. Packet Sniffer Tool:** Developed a live packet capture tool using Python and `scapy` for analyzing raw network packets.
  GitHub: `https://github.com/HackRore/PRODIGY`$_C S_5$
  $YouTube$: $*(ComingSoon)*$

- **6. Snort IDS Lab Setup:** Simulated attacks using Kali Linux and analyzed network traffic with Snort on Ubuntu to detect malicious packets targeting a Metasploitable2 machine.

- **7. Nmap Python Scanner Project:** Built a Python-based Nmap scanner that scans IPs, detects live hosts, and structures results based on different scan types.

- **8. Freelance IT Technician:** Provided IT support services like OS installations, backups, network troubleshooting, and laptop/desktop repair.

- **9. YouTube Channel (`CyberTechX_ravin`):** Produced educational content on Cyber Security, Linux tools, Windows tweaks, Wireshark analysis, and Android development practicals.
  YouTube: `https://www.youtube.com/@CyberTechX_ravin`

- **10. Code Management with Git and GitHub:** Maintained and organized security scripts, utilities, and development tools across two profiles:
  GitHub Profile 1: `https://github.com/HackRore`
  GitHub Profile 2: `https://github.com/RavindraPanditAhire`

Tools & Technologies

- Languages: Python, Java, C++, HTML/CSS, SQL
- Security Tools: Snort, Nmap, Metasploit, Wireshark
- IDEs: VS Code, PyCharm, Android Studio, IntelliJ
- Platforms: GitHub, Firebase, YouTube
- Systems: Windows, Ubuntu, Kali Linux

Digital Presence

- YouTube: CyberTechX_ravin – beginner labs, dev tools, and security intro content
- GitHub: @RavindraPanditAhire, @HackRore

Languages

- English – Professional Working Proficiency
- Hindi – Full Professional Proficiency
- Marathi – Native