

SHANTANU KAKADE

JUNIOR PENETRATION TESTER

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TryHackMe: VIPER12
github.com/VIPER8483

EDUCATION

2024 - 2027

Bachelor of Technology (B.Tech)
Mechanical Engineering
Dr. Babasaheb Ambedkar
Technological University (DBATU),
Lonere

2018 - 2021

Diploma in Mechanical Engineering
JSPM's Bhivarabai Sawant
Polytechnic, Pune

2018

Higher Secondary Certificate (HSC)
S. M. Joshi College, Hadapsar, Pune
(Maharashtra State Board)

SKILLS

- Penetration Testing
- Web Application Security
- Network Security
- Vulnerability Assessment
- Linux & Windows Administration
- Active Directory Basics
- Python & Bash Scripting
- Problem Solving
- Report Writing & Documentation
- Critical Thinking
- Time Management

CERTIFICATIONS

- eJPT (INE Security) - 91% Score
- CRTA (Certified Red Team Analyst)
- IBM Cybersecurity Fundamentals
- LearnVern Ethical Hacking Certification
- Various Udemy Cybersecurity Courses

TOOLS & TECHNOLOGIES

- Kali Linux
- Nmap
- Burp Suite
- Metasploit Framework
- Wireshark
- Hydra
- Gobuster
- FFUF
- John the Ripper
- Netcat
- SQLMap
- Dirsearch
- Git & GitHub
- Bash / Python

ACHIEVEMENTS

- Solved 50+ CTFs and vulnerable machines on TryHackMe, Hack The Box, and VulnHub.
- Consistently document findings and write detailed walkthroughs.
- Passionate about continuous learning and staying updated with cybersecurity trends.

SUMMARY

Motivated and detail-oriented Junior Penetration Tester with a strong foundation in network security, web application security, and vulnerability assessment. Hands-on experience in identifying, exploiting, and reporting vulnerabilities through labs and CTF challenges on TryHackMe, Hack The Box, and VulnHub. Proficient in using industry-standard tools like Nmap, Burp Suite, Metasploit, and Wireshark. Eager to contribute technical skills and continuous learning in a challenging cybersecurity environment.

PROFESSIONAL EXPERIENCE

Supervisor - CNC Machine Shop 2023 - 2025
SUMAX Enterprises Pvt. Ltd., Pune

- Supervised a team of operators and ensured smooth production flow.
- Planned and coordinated daily operations to meet production targets.
- Ensured quality standards, process improvements, and machine maintenance.
- Trained new operators on machine handling, safety, and quality procedures.
- Prepared reports, maintained documentation, and collaborated with management to improve overall efficiency.

Jr. Engineer - CNC Machine Operator 2022 - 2023
SUMAX Enterprises Pvt. Ltd., Pune

- Operated CNC machines (VMC, HMC, Poly Machine) for precision components.
- Performed machine setup, tool offset, and job parameter adjustments.
- Inspected components using measuring instruments and ensured quality.
- Followed engineering drawings, SOPs, and safety guidelines.

PROJECTS

Python Port Scanner

- Developed a multithreaded TCP port scanner in Python.
- Implemented service detection and banner grabbing.
- Enhanced understanding of sockets and network enumeration.

Web Application Security Assessment

- Performed vulnerability assessments on intentionally vulnerable web applications.
- Identified SQL Injection, XSS, File Upload, and Authentication flaws.
- Documented findings with risk ratings and remediation steps.

Active Directory Privilege Escalation Lab

- Practiced Windows privilege escalation techniques in lab environments.
- Exploited misconfigured services, weak permissions, and insecure settings.
- Used tools including WinPEAS, PowerUp, AccessChk, and Metasploit.

CTF & Lab Write-ups

- Solved 50+ machines on TryHackMe, Hack The Box, and VulnHub.
- Published detailed walkthroughs covering enumeration, exploitation, privilege escalation, and post-exploitation.