0x00er@gmail.com

0x00er.me
github.com/0x00er

# Sagar Verma

I'm a long-time maker and doer of things. I love problem-solving in general and gravitate toward technology as the best way to scratch that itch. As such, my skills are primarily technical, but I branch out to other areas when they're valuable. Overall, I love thinking through complex systems and solving logistical puzzles, whether human or machine.

## Technologies and Languages

From both my work and personal life I have experience with the following technologies:

- Redhat Enterprise Linux, Arch, FreeBSD, Debian
- Wireguard, Ansible, NGINX, Jenkins
- Python, Rust, C, Bash
- Docker, AWS, QEMU, VirtualBox, Nix

## Concepts, Tools & Frameworks

As a penetration tester focused on web applications, enterprise environments, and vulnerability research, I've worked with a mix of concepts, frameworks, and tools like these:

**Web & Network Security**
- Metasploit, Nmap, Wireshark, Burp Suite, Caido, Nessus

**Active Directory Testing**
- BloodHound, Kerberoasting, Mimikatz

**Reverse Engineering**
- Ghidra, IDA, Radare2

**Exploitation & Debugging**
- pwntools, ROPgadget, GEF, Pwndbg, WinDbg

**Security Frameworks & Methodologies**
- MITRE ATT&CK, OWASP Top 10, Threat Modeling, SOC Operations

## Projects

I love writing code on my own time! I've worked on 25+ personal projects of varying sizes and stacks that have collectively been seen or used by other people. Many are open source at github.com/0x00er. I do paid contract development and security bounty work regularly as well

- **Naavik**  Operating System in 1,000 Lines [c/asm]
- **Rami**  Hypervisor in 1,000 Lines [rust]
- **Creckdesh**  Decrypt compressed encrypted archives [python]
- **wheelbarr0w**  Rewriting historical lagecy malware & ransom families in rust [rust]

## Achievements

- 100+ labs and machines pwnd on HTB, picoCTF, portswigger
- I run a tor relay node. I've helped run a few Cryptoparties (Vancouver Public Library and LIBIT)
- Member of *Hack Club***,** Collaborated and wrote automated tests to implement library features in our Rust and Python codebase.

**CTFs and Competitions**
Holmes CTF 2025 (jeopardy) [top 10]
WhiteHat Grand Prix (attack-defense) [runner-up]

**Education**
IILM Univercity, Greater Noida
*B.Tech in Computer Science and Engineering  (2023-27)*