

# BUGGY

## Cybersecurity Enthusiast — Aspiring RedTeam Operator

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### About

Aspiring Red Team operator and ethical hacker with **2+ years** of hands-on cybersecurity learning. Currently pursuing **Computer Engineering** and ranked in the **top 2% on TryHackMe** with 120+ labs completed. Focused on core offensive security concepts including web exploitation, privilege escalation, and system enumeration. Gained practical exposure through internships and CTFs, building a foundation in real-world methodologies. Actively building custom tools, sharing knowledge through technical content, and preparing for certifications like **CPTS** and **CJCA**.

### Education

#### Sinhgad Academy of Engineering

*B.E. Computer Engineering*

*September 2024 – May 2028*

- Learning C, C++, Python, Java, and Bash scripting, focusing on problem-solving.
- Practicing Object Oriented Programming, Getting hands-on Data Structures.
- Deep dive into Operating Systems

### Experience & Achievements

#### Cybersecurity Intern

*ENCODERSPRO Private Limited*

*2024*

*Remote*

- Completed intensive Cyber Security training program covering advanced ethical hacking, OSINT, SIGINT, and digital forensics
- Developed real world botnet simulation framework for understanding malware C2 communications
- Analysed communication between bot and the C2 for better defenses

#### Cybersecurity Intern

*March 2024 – April 2024*

*Threat Prism*

*remote*

- Developed a Recon Automation for Info Gathering, Network Scanning and Web Pentesting.
- Built advanced phishing simulation frameworks for social engineering assessments

#### Capture The Flag(CTF) & Competitions

*20xx – Present*

*TryHackMe, HackTheBox & Various Platforms*

*Remote*

- **Top 2% on TryHackMe Globally** - Consistent high performance across 120+ red team focused labs
- **Hackfinity CTF** - Ranked 229th out of 4,309 participants in TryHackMe's flagship competition
- **Rise Get Set Hack** - Secured 85th position among 22,000+ participants nationwide
- Active participant in DamnCon CTF, NahamCon CTF, and international red team competitions

### Featured Projects

#### ECSIP Botnet Simulation & Analysis | *Python, Network Analysis, Malware Research*

*2025*

- Developed comprehensive botnet simulation framework for red team operations
- Implemented wireshark network traffic analysis for studying advanced malware communication patterns
- Created a custom flask based C2 dashboard for controlling multiple bots
- Built cross-platform compatible bots for simulating and studying real world APT's
- Open-sourced on GitHub with detailed documentation for the cybersecurity research community

#### Hash-Verify | *Python, CLI, Cryptography*

*2024*

- Open-source file integrity verification tool supporting multiple hash algorithms
- User-friendly CLI interface designed for rapid file verification.
- Open-sourced on GitHub with detailed documentations

#### Active Directory Lab | *Windows Server, PowerShell, AD Exploitation*

*2024*

- Custom-built AD environment for practicing advanced red team techniques and attack paths
- Simulates real-world enterprise scenarios like Kerberoasting
- Implements lateral movement scenarios and post-exploitation persistence mechanisms
- Used for continuous skill development and red team technique validation

## Technical Skills

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**Penetration Testing:** Web Application Testing, Network PenTesting, Active Directory PenTesting

**Programming Languages:** Python, C, C++, Java, Bash, SQL

**Security Tools:** nmap, nessus, metasploit, burpsuite, nikto, ffuf, bloodhound, Impacket, CrackMapExec, responder

**Reconnaissance & OSINT:** Nmap, FFUF, Burp Suite, Shodan, Recon-*ng*, theHarvester

**Operating Systems:** Linux (Kali, Parrot, Ubuntu, Mint, etc), Windows

## Certifications

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Certified AppSec Practitioner (CAP)	2024
TCM Security - Practical Ethical Hacking - <i>Completed</i>	2024
Certified Junior Cybersecurity Analyst (CJCA) - <i>Currently Pursuing</i>	HackTheBox
Certified Penetration Testing Specialist (CPTS) - <i>Next Target</i>	HackTheBox

## Community & Red Team Focus

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**Technical Blog Writing:** Active blogger sharing red team techniques, setup blogs, tips and tricks, and security research insights

**Open Source Contribution:** Active GitHub contributor focusing on red team tools and offensive security research

**Knowledge Sharing:** Writing detailed CTF writeups, red team techniques, and whatever I learn

**Interests:** Red Team Operations, Advanced Persistent Threats, Malware Analysis, Cloud Security, Adversary Simulation