

# RAKSHITA GUPTA

Cybersecurity Engineer - Offensive Security Focus

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GRakshita

Bengaluru, Karnataka

## Summary

An aspiring cybersecurity professional with foundational experience in offensive security and threat analysis. Proficient in penetration testing methodologies, vulnerability assessment, and security tool usage. Skilled in scripting with Bash and PowerShell for automation and task efficiency. Hands-on experience in conducting security audits and participating in bug bounty programs to identify and report vulnerabilities. Eager to develop expertise in incident response, threat hunting, and blue team defense strategies. Actively pursuing opportunities to grow technical skills and contribute to securing production environments. Passionate about continuous learning and collaborative security team efforts.

## Projects

### DropForge

Developed a custom malware dropper framework in Python that generates obfuscated payloads for stealthy delivery and execution during red team engagements.

### PhishTrack

Built a phishing campaign management platform to streamline the creation, deployment, and tracking of phishing simulations for security awareness training.

### StealthyShell

Created an advanced reverse shell payload with multi-layer obfuscation and anti-analysis features to evade AV/EDR detection during engagements.

### RedEye

An automated adversary simulation framework that mimics APT attack patterns for comprehensive red team engagements.

## Education

### BTECH CSE (Cybersecurity)

Alliance University

2025 - Present

## Skills

### Cybersecurity Domains:

Red Teaming, Blue Teaming, Adversary Simulation, Malware Analysis, Privilege Escalation, Post-Exploitation

### Tools & Frameworks:

Metasploit, Burp Suite, Nmap, Wireshark, Ghidra, CyberChef etc

### Scripting & Payload Dev:

Python, C/C++, Custom Reverse Shells, AV/EDR Evasion

### Platforms & Labs:

TryHackMe, Hack The Box, PwnTillDawn, DetectionLab, MalwareBazaar, Penathon CTFs

## Key Achievements

### HTB Holmes CTF 2025: CTF Rank #476

HackTheBox's Holmes CTF 2025, a blue team based CTF focused on DFIR, Threat Hunting, Reverse Engineering, Malware Analysis and more. Our team managed to place 476th out of 7085 teams that participated.

### Pentathon: All India CTF Rank #41

Secured first place in a national CTF, demonstrating strong collaboration, fast learning and practical offensive security skills under real-world challenge scenarios.

## Certification

Microsoft Certified SC-900 - 2025

Cisco Ethical Hacker Badge - Cisco Networking Academy, 2025 (Skills Badge)