

MD. SAMIUL ALAM TA-SEEN

Penetration Tester | Red Teamer | BSc. in CSE
inferiorak@gmail.com | +8801788510080 | Rajshahi, Bangladesh
linkedin.com/in/taseen-kpc | github.com/InferiorAK | medium.com/@inferiorak

About Me

I am a highly motivated Cybersecurity Professional with a primary focus on Red Teaming and Penetration Testing. I bring a unique "Purple Team" perspective, leveraging a stable background in Blue Teaming and Linux Hardening to identify and exploit vulnerabilities effectively. Proficient in automating security workflows with Python and Bash and deeply experienced in System Administration. Besides, I have skills in HTML, CSS, C, C++, Python, and Bash. I am a consistent CTF competitor; until now, I have participated in over 100+ CTFs in International, National, and Inter & Intra-University categories. I am the Founder & Team Lead of Integrated Hawkers, a prominent CTF team in Bangladesh. Under my leadership and through our collective cooperation, the team has gained significant recognition in Bangladesh. I hold the industry-recognized eJPT certification. Besides, I have KodeKloud Linux - Level 1 in System Administration and numerous CTF certifications.

Education

BSc. in Computer Science & Engineering

Rajshahi University of Engineering & Technology, Rajshahi
2024 – 2028

Experience

Infrastructure & Server Management | Integrated Hawkers Initial CTF 2026 Jan 2026

- Engineered and managed full-stack server infrastructure ("A to Z") for a high-traffic CTF competition.
- Implemented **Nginx** as a reverse proxy to manage internal port forwarding and domain mapping for challenge services.
- Hardened network security by enforcing strict ingress/egress policies using **UFW and IPTables** to isolate internal ports.
- Deployed and configured **Fail2Ban** to proactively mitigate SSH brute-force attempts and **pattern-based DDoS attacks**.
- Integrated **Cloudflare** as a front-end security layer to provide edge-level DDoS remediation and traffic optimization.
- Established a centralized log management and monitoring system to ensure audit trail integrity.
- Performed advanced log analysis using **SIEM** integration and command-line forensics to identify security events.

Red Teaming & Adversary Simulation 2025

- Developed a custom **Python-based remote access payload** designed to establish reverse shells via the Metasploit Framework.
- Engineered an end-to-end **Adversary Simulation** environment utilizing a VPS to act as a Command and Control (C2) server.
- Proficient in utilizing **Cobalt Strike** and **Metasploit** to emulate advanced persistent threat (APT) behaviors and test network defenses.
- Researched and implemented payload obfuscation techniques to bypass the detection of local EDR and AV solutions.

Security Information & Event Management (SIEM) Jan 2025 – Present

- Configured and managed **Splunk** and **Kibana** dashboards to visualize network traffic and identify anomalous activities.
- Utilized **Snort** IDS to monitor real-time packet data and develop custom rules for detecting potential intrusion attempts.
- Analyzed security logs to perform root-cause analysis of incidents, bridging the gap between offensive exploits and defensive detection.
- Log analysis by filtering by proper indicators with **cut, awk, grep, sed, xargs**

Linux System Administration & Server Management June 2024 – Present

- Managed and maintained Linux-based server environments (Ubuntu, Debian, Kali) focusing on stability and high availability.

- Implemented **Linux Hardening** best practices, including SSH hardening, firewall configuration (UFW/IPTables) and User Privilege Management (Sudoers).
- Automated repetitive administrative tasks and system monitoring using custom **Bash and Python** scripts.
- Orchestrated containerized environments using **Docker** and managed remote servers via SSH and secure configuration protocols.

Penetration Tester | Independent

June 2024 – Present

- Conducted vulnerability assessments and penetration tests on web applications and network infrastructures.
- Documented technical findings and provided remediation strategies (Hardening).

Founder & Team Lead | Integrated Hawkers (CTF Team)

Apr 2024 – Present

- Established and led a prominent Bangladeshi CTF team to national recognition.
- Orchestrated team strategy for over 100+ competitions.
- Mentored team members on efficient cybersecurity learning methodologies and led the team through competitive challenges.

Skills

Soft Skills:

- Communication Skills, Problem-Solving, Critical Thinking, Teamwork and Collaboration, Adaptability, Continuous Learning, Professionalism, Leadership Skills

Technical Skills:

- **Programming:** Python, Bash, C, C++, HTML, CSS
- **Security Domains:** Ethical Hacking, VAPT, Web Security, SOC
- **Extra Knowledge:** Steganography, Cryptography, OSINT, Pwn, Digital Forensics, System Administration, Automation
- **Operating Systems:** Linux (Kali, Ubuntu), Windows
- **Networking:** OSI Model, TCP/IP, DNS, HTTP/HTTPS, Subnetting, SYN-ACK, 3-Way Handshake
- **Server Management:** Nginx, Apache, Cloudflare
- **Other:** Git, Docker, Virtualization, Graphic Design, Video Editing

Tools:

- **Web Security:** Burp Suite, OWASP Zap, Nikto, Wpscan, wafw00f, Nuclei, Sublist3r, Arjun, Sqlmap, flask-unsigned, jwt_tool
- **Networking:** Nmap, Burp Suite, Wpscan, Wireshark, Tshark, NetworkMiner, Netcat, Curl, Wget, OpenSSH, RDP
- **Security/Exploitation Framework:** Metasploit, Cobalt Strike, Sliver C2, PowerShell-Empire, Starkiller
- **Development Framework:** Flask
- **Steganography:** Zsteg, Stegseek, Steghide, sstv, binwalk, foremost, HxD, xxd, Sonic Visualizer, Audacity, OpenStego
- **Reversing:** IDA, Ghidra, GDB, ltrace, strace, objdump, checksec, readelf
- **Cryptography:** Rsactftool, Cyberchef, John The Ripper, Hashcat, Hashid
- **Firewall:** ufw, fail2ban, firewallD
- **Memory Forensic:** Autopsy, Volatility, Photorec, FTK Imager, dd
- **Windows Forensic:** Regripper, Evtx Dump, Regshot, Registry Explorer, Oletools
- **SIEM & Monitoring:** Splunk, ELK Stack (Kibana), Snort IDS-IPS
- **CLI Log Analysis:** cut, awk, grep, sed, xargs

CTF & Achievements

- Participated in over 100+ CTFs (International, National, Inter University & Intra University)
- Solved over 1000+ Challenges in CTFs
- Solved 50+ challenges on picoCTF
- Top 4% player in TryHackMe
- Recently Organized "Integrated Hawkers Initial CTF 2026"
- Obtained many participation certifications.

Professional Certifications

eJPT (eLearnSecurity Junior Penetration Tester)

- **Penetration Testing**
- Host and Network Penetration Testing, Assessment Methodologies, Host and Networking Auditing, Web Application Penetration Testing

Introduction to Linux (LFS101)

- **Linux System Administration**
- Comprehensive training in Linux philosophy, command-line operations, Bash scripting, and core system administration. Verified ability to navigate, secure and automate tasks within a Linux environment.

Kodekloud Linux - Level 1

- **Linux System Administration**
- Linux history, Command line basics, Filesystem hierarchy, File navigation, File/Directory management, File types, Permissions and ownership, User account management, Package management (YUM/APT/RPM/DPKG), Process management, Text editing, Grep, Basic networking, SSH, SCP, Cronjobs, System services, System boot process, Runlevels.

Projects

Integrated Share

Feb - Mar 2026

- Built a secure self-hosted local file sharing web application for LAN/Wi-Fi environments with user authentication, role-based admin access, and real-time file management workflows.
- Implemented end-to-end features: file/folder upload, preview, rename, delete, trash/restore, public token-based sharing, user-to-user sharing, share revocation, and “Shared with me” for both files and folders.
- Developed security and observability modules including upload filtering (extension + magic-byte checks), login throttling, session/cookie hardening, quota enforcement, and SIEM-style activity logging with admin monitoring dashboard.
- **Group Project at RUET**
- **Languages & Tools:** Python, Flask, SQLite, SQLAlchemy, HTML, CSS, JavaScript, Gunicorn, systemd
- **Knowledge:** Full-Stack Web Development, REST API Design, Authentication & Authorization, Secure File Handling, Logging/Monitoring, Linux Deployment

CVE-2025-55182 React2Shell Async Scanner

Feb 2026

- Built a production-grade async RCE scanner for CVE-2025-55182 (Prototype-Pollution → Unauthenticated RCE in React Server Actions), capable of scanning hundreds of targets concurrently with zero false positives via canary-based confirmation.
- Implemented a 7-stage Next.js version fingerprinting pipeline (HTTP headers, inline scripts, `_NEXT_DATA_`, hashed JS chunks, package.json, Playwright DOM) to skip patched targets before any exploit attempt.
- Integrated Playwright headless Chromium fallback for modern App Router sites, improving version detection accuracy from ~10% to near 100%.
- **Languages & Tools:** Python, aiohttp, aiofiles, Playwright, asyncio, colorama
- **Knowledge:** Async I/O, Vulnerability Research, Prototype Pollution, RCE Exploitation, OSINT, Web Security

PDFGuti

Oct 2023

- Google Drive restricted PDF Downloader Tool.
- **Languages & Tools:** Python, Selenium, Requests
- **Knowledge:** Web Scrapping, API

Mi-PyCrypt

June 2023

- A Python Compiler tool works on both Python3 and Python2. Available single and Mixed Encryptions that will encrypt your python tool in non human readable format. Or in an easy saying, it will obfuscate your python source codes making harder code theft.
- **Languages & Tools:** Python
- **Knowledge:** Cryptography, Encryption & Decryption

GoponFile

May 2023

- GoponFile is a Simple File Locker written in Python. It is Safe and User Friendly to use.
- **Languages & Tools:** Python, Fernet
- **Knowledge:** RSA Algorithm, File System

Mi-TermBuild

May 2023

- Mi-TermBuild is a Termux Optimized tool that can make your Termux look more Precious and easier to Use.
- **Languages & Tools:** Bash
- **Knowledge:** Termux, Linux

MiProxy2

Oct 2022 - Apr 2023

- A versatile Proxy Operation tool.
- **Languages & Tools:** Python, Asyncio, HTTPX
- **Knowledge:** Proxy, Chaining, Asynchronous Tasking, API

RansoInferor

Apr 2023

- A Simple Ransomware based on RSA Symmetric Cryptography.
- **Languages & Tools:** Python, Fernet, tkinter
- **Knowledge:** RSA Algorithm, Encryption & Decryption, Cryptography, File System

MiLocalShare

Nov 2022

- A Local File Sharing Web Application that works under the same network using Wi-Fi, even Mobile Hotspot. And it is very fast depending on router's speed.
- **Languages & Tools:** Python, Flask, HTML, CSS
- **Knowledge:** Flask Framework, LAN, Star Topology

Honors & Awards

Eid Salami CTF RCSC 2026

March 14, 2026

- **Rank:** 1st
- **Mode:** Solo
- **Organized by:** RUET Cyber Security Club
- Solved challenges in Web Exploitation, Crypto, Reverse, Steganography, OSINT, Android, AI.
- Awarded with Prize Money.

RUET Intra CTF 2025

Dec 04, 2025

- **Rank:** 3rd
- **Mode:** Solo
- **Category:** Intra University
- Solved challenges in Web Exploitation, Cryptography, Reverse Engineering, Pwn, Steganography, OSINT, Digital Forensics.
- Honored with a commemorative crest.

StealthFlags CUET CTF 2025

Nov 14, 2025

- **Rank:** 2nd
- **Mode:** Team
- **Category:** National
- Solved challenges in Web, Crypto, Reverse, Pwn, Steganography, OSINT, Forensics.
- Awarded with Prize Money.

CRHC CTF 2025

Aug 29, 2025

- **Category:** International
- My writeups on their CTF challenges were selected the best among all.
- Awarded with Parrot CTFs Premium voucher for 3 months.

Eid Salami CTF RCSC 2025

March 30, 2025

- **Rank:** 1st
- **Mode:** Solo
- **Organized by:** RUET Cyber Security Club
- Solved challenges in Web Exploitation, Crypto, Reverse, Pwn, Steganography, OSINT, Forensics.
- Awarded with Prize Money.

Languages

English: Full Professional Proficiency (Spoken & Written)

Bengali: Native

Hindi: Intermediate Proficiency