



GPCSSI-2025

Our Journey as a Cyber Warrior



Industrial Internship Details:-

Prem Singh -2315300018

Dushyant Nagal-2315300005

Platform:- Gurugram Cyber Cell Summer
On-Site Internship

Academic Information

Mentor:- Soumya Shrivastava

University:-GLA University, Mathura

Department: Computer Science



Cyber Security



Technical Skills



Team Collaboration




Achievement



About GPCSSI 2025:-

Program Details

 Organized by Gurugram Police Cyber Cell & DAV Public School, Sector 49

 12th Edition of National Cyber Security Summer Internship

 Duration: 48 days (on-site) + project during off-days

Mission

Build cyber-aware and technically skilled youth to combat evolving cyber threats



Selection Statistics

12,000+
Applicants

1,100
Selected

550
Warriors

550
Ambassadors

Internship Workflow Timeline:-



48-Day Journey at Gurugram Cyber Cell



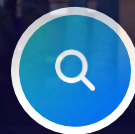
Step 1

Orientation &
Awareness



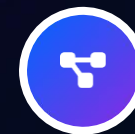
Step 2

Technical
Labs



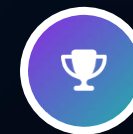
Step 3

Case Studies &
Field Exposure



Step 4

Project Work
(SKIDScan)



Step 5

Final Evaluation
& CTF

📍 All sessions conducted on-site at Gurugram Cyber Cell

🕒 Project built during breaks and off-days

Awareness & Knowledge Sessions:-



Cyber Laws & IT Act 2000

Legal framework and regulatory compliance in cybersecurity



Cyber Awareness & Online Safety

Best practices for secure digital behavior and threat prevention



Drugs & Cyber Helpline Case Study

Real-world analysis of drug-related cybercrime investigations



Real Case Study: Mule Accounts

Investigation techniques for financial fraud and money laundering

Awareness & Knowledge Sessions:-



Cyber Harassment & Social Media Crimes

Digital forensics for online harassment and social platform abuse



AI vs Cyber Security

Artificial intelligence applications in threat detection and defense



Data Recovery & Advanced Collection Techniques

Forensic methods for evidence preservation and data extraction

Expert Mentorship:-



Cyber Forensic Officers

Direct mentorship from experienced Cyber Forensic Officers providing real-world insights into digital investigation techniques and evidence handling procedures.



Dr. Rakshit Tandon

Expert guidance from renowned cybersecurity professional Dr. Rakshit Tandon, gaining insights into advanced cyber threat landscape and defense strategies.



SOC Environment

Hands-on exposure to Security Operations Center environment, learning real-time threat monitoring and incident response protocols.



Evidence Collection

Practical sessions on digital evidence gathering and preservation techniques



Malware Investigation

Hands-on analysis of malicious software and attack vectors



Mini Project SkidScan

Dark Web Monitor & Web Forensics

★ Key Features

🎯 Objective

Detect and analyze leaked credentials & stolen data from dark web sources for cybersecurity intelligence gathering.

</> Tech Stack

 Python

 Tor API

 BeautifulSoup

 SQLite

🛡️ Safe .onion Crawling

Securely crawls dark web sites for sensitive data detection

🎯 Smart Filtering

Filters false positives using keyword scoring algorithms

📊 Report Generation

Generates structured reports for comprehensive analysis

🏆 Outcome

Received **Appreciation Letter** from Gurugram Cyber Cell for innovation and technical excellence in cybersecurity research.



SkidScan Workflow:-

Crawler

Scans .onion sites safely through Tor network

Filter Engine

Keyword scoring to eliminate false positives

Report Generator

Comprehensive analysis reports for investigation

Security Architecture



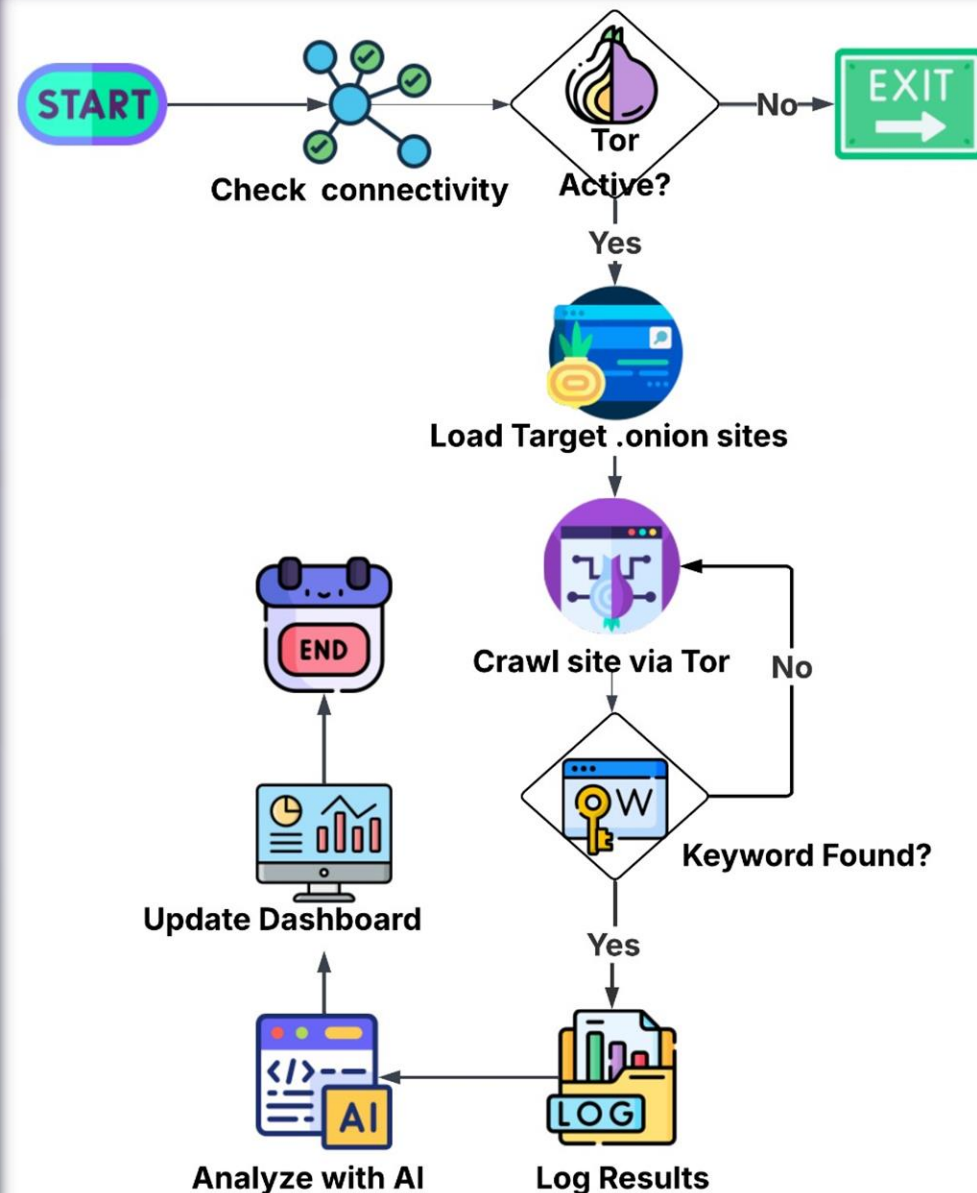
Sandboxed VM

Isolated virtual environment for safe operation



Tor Bridge

Anonymous, secure crawling through encrypted network








CTF Competition:-



Competition Overview

-  Web Security Challenges
-  Network Analysis Tasks
-  Digital Forensics Investigations



Achievement

TOP-10

Rank Among Nationwide Interns

CTF Scoreboard

RANK	TEAM NAME	LEADER	MEMBERS	TOTAL SCORE
1	Fl4gz0nF1r3	CW122	No other members	3927
2	Go easy on us!! :)	CW055	CW046, CW255	3542
3	Expecto Patronum	CW314	CW421, CW171	3458
4	Doom8ots	CW007	CW395, CW037	3385
5	AreyGang	CW189	CW185, CW161	3213
6	bl4nk	CW144	CW186, CW300	3113
7	DDITLab	CW362	CW261, CW385	2516
8	CW247	CW247	CW249	2139
9	ScriptKiddie	CW143	No other members	2042
10	Anonymus	CW290	CW269	1982
			No other members	1922



Skills Enhanced



Teamwork

Collaborative problem-solving and coordination



Analytical Skills

Critical thinking and pattern recognition



Investigation

Evidence analysis and threat detection



Technical Skills & Tools Learned

Cybersecurity Tools

 Wireshark

 Burp Suite


 Autopsy

 Nmap

 FTK Imager


Core Skills


 Forensics Analysis

 Threat Detection

 SOC Log Correlation

Legal & Compliance

 Digital Evidence Handling
Proper collection and preservation

 Chain of Custody
Legal documentation standards

Challenges & Solutions:-

Challenge

Solution

Safe Dark Web Access

Ensuring secure navigation through potentially dangerous networks

Sandboxed VM + Tor Bridge

Isolated environment with secure routing protocols

False Positive Filtering

Reducing noise in threat detection systems

Keyword Scoring Algorithm

Intelligent filtering based on weighted scoring

Time Management

Balancing project work with other commitments

Off-Days Project Work

Strategic scheduling during available time slots



Key Achievements:-



48-Day Internship

On-Site Completion



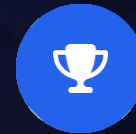
SCIDScan Development

Dark Web Crawler



Appreciation Letter

For Innovation



Top-10 Rank

Cyber Warrior CTF



8 Expert Sessions

Law, AI, Awareness & Forensics



Conclusion & Acknowledgment:-

Gurugram Police Cyber Cell .

Grateful to all mentors and officers for their invaluable guidance, expertise sharing, and unwavering support throughout this transformative internship experience.

GPCSSI 2025 Team .

Special thanks to the GPCSSI 2025 Team and college faculty for their continuous support, encouragement, and creating this incredible learning opportunity.

**From the Surface Web to the Dark Web
every click is a responsibility.**



THANK YOU