
Cybersecurity Wargame Internship Task Report

Intern Names: Saurabh Adivrekar, Ananya Shetty

Program: Digisuraksha Parhari Foundation Internship

Issued By: Digisuraksha Parhari Foundation

Supported By: Infinisec Technologies Pvt. Ltd.

Report Submission Date: 28th April 2025

Team Name: Cybernaughts

Team Members: 1. Saurabh Adivrekar

2. Ananya Shetty

Objective:

To enhance technical skills in ethical hacking and cybersecurity through structured wargame exercises hosted on OverTheWire.

Team Roles:

1. **Saurabh:** Focused on Cryptography Challenges (KRYPTON) and Linux Privilege Escalation (LEVIATHAN)
 2. **Ananya:** Specialized in Web Exploitation Techniques (NATAS) and Analytical Investigation.
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Lab Name/Challenge:

KRYPTON, NATAS, and LEVIATHAN (OverTheWire Labs)

Lab Summary:

- In this internship, we tackled three cybersecurity wargame labs: KRYPTON, NATAS, and LEVIATHAN hosted on OverTheWire.
- KRYPTON focused on basic to intermediate cryptography challenges, helping us understand encryption techniques, decryption methods, and spotting weak implementations.
- NATAS was a web exploitation lab where we explored web vulnerabilities like insecure authentication, hidden information in HTTP headers and source code, and logical flaws in web applications.
- LEVIATHAN tested Linux privilege escalation and file permission misconfigurations through command-line tasks, enhancing our skills in system security and access control.

Throughout the labs, we applied open-source tools and Linux commands to identify, exploit, and report vulnerabilities. This experience helped sharpen our technical, analytical, and collaborative cybersecurity skills.
