

Cybersecurity Internship Assignment Report

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Program: Digisuraksha Parhari Foundation Internship

Issued By: Digisuraksha Parhari Foundation

Supported By: Infinisec Technologies Pvt. Ltd.

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1. Room Name: Hello World

 [Room Link](#)

Learning Objective:

To gain an introduction to the TryHackMe platform and understand its interface and basic functionality.

Key Tools/Commands Used:

- TryHackMe Web Interface

Concepts Learned:

- Platform layout and dashboard navigation
- Task-based progression system
- Virtual machine (VM) access and control
- Marking task completion

Walkthrough / How I Solved It:

- Logged into TryHackMe and joined the "Hello World" room
- Carefully read each section and followed the guidance provided
- Marked tasks as complete to track progress

Reflections: An excellent introductory room that eased me into the platform's layout and workflow.

Woop woop! Your answer is correct

Congratulations on completing Welcome!!! 🎉

Points earned 0	Completed tasks 3	Room type Walkthrough	Difficulty Easy	Streak 1
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Leave Feedback

Next

2. Room Name: How to Use TryHackMe

[Room Link](#)

Learning Objective:

To learn how to effectively interact with TryHackMe rooms, tasks, and virtual machines.

Key Tools/Commands Used:

- TryHackMe Interface

Concepts Learned:

- Split-screen mode
- Starting/stopping rooms and VMs
- Using hints and answer boxes
- Task navigation and submission

Walkthrough / How I Solved It:

- Explored the layout using the split-screen feature

- Started the VM and completed all tasks using the platform tools
- Reviewed and followed instructions to complete the room

Reflections: A highly useful room for understanding how to navigate and utilize the platform's core features.

The screenshot shows the completion screen for a room. At the top right, a green box says "Woop woop! Your answer is correct". In the center is a circular icon with a white cloud shape and binary code: "10 10", "1110", "0101 01", "01", and "01". Below the icon, the text "Congratulations on completing How to use TryHackMe!!! 🎉" is displayed. At the bottom, there are five dark blue boxes with white text: "Points earned 16", "Completed tasks 2", "Room type Walkthrough", "Difficulty Easy", and "Streak 1". There are also "Leave Feedback" and "Next" buttons at the bottom.

3. Room Name: Getting Started

[Room Link](#)

Learning Objective:

To set up the system for VPN-based access to TryHackMe labs.

Key Tools/Commands Used:

- OpenVPN
- Terminal/Command Prompt

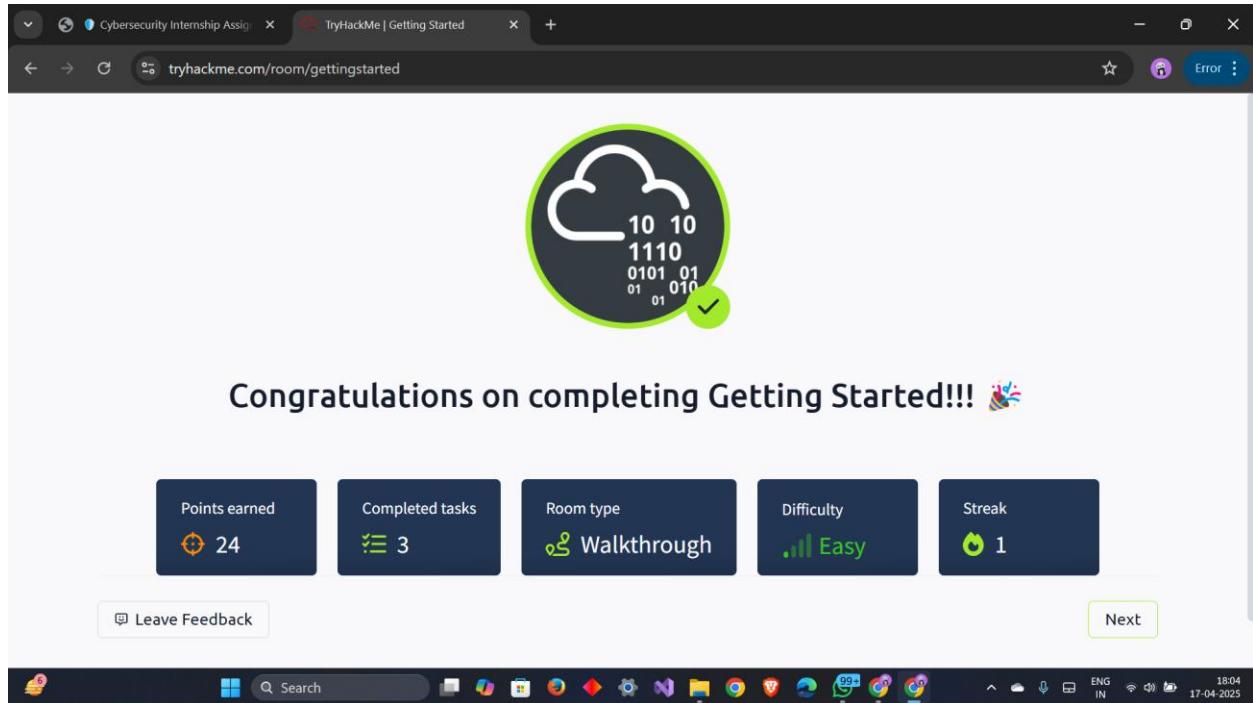
Concepts Learned:

- Installing and configuring OpenVPN
- Using .ovpn files
- Verifying VPN connectivity with ping tests

Walkthrough / How I Solved It:

- Installed OpenVPN and downloaded the appropriate configuration file from TryHackMe
- Used terminal command `sudo openvpn config.ovpn` to initiate the connection
- Verified the VPN connection using `ping` and `ifconfig`

Reflections: This room provided essential technical knowledge. Though I encountered some DNS issues, community support helped me resolve them quickly.

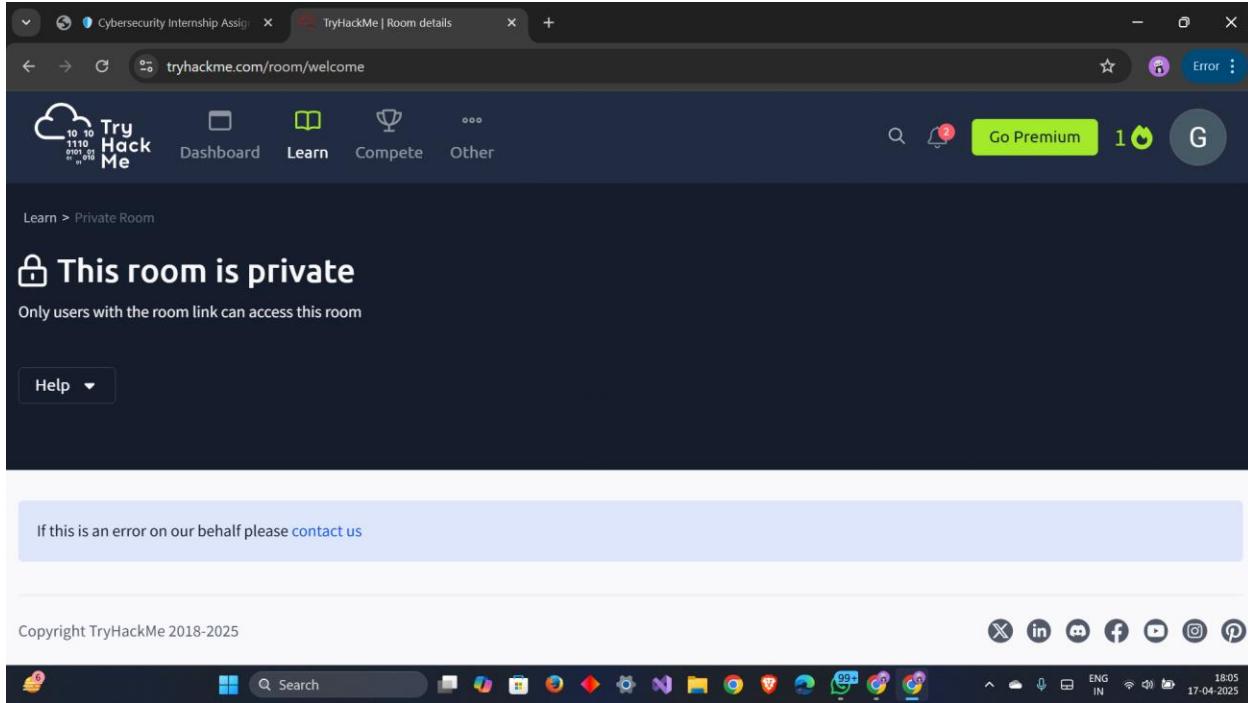


4. Room Name: Welcome

[Room Link](#)

Learning Objective:

To provide a high-level overview of the TryHackMe learning structure and available learning paths.



5. Room Name: TryHackMe Tutorial

[Room Link](#)

Learning Objective:

To get hands-on experience with TryHackMe virtual machines and Linux-based tasks.

Key Tools/Commands Used:

- Terminal (Linux)
- Commands: ls, cd, cat

Concepts Learned:

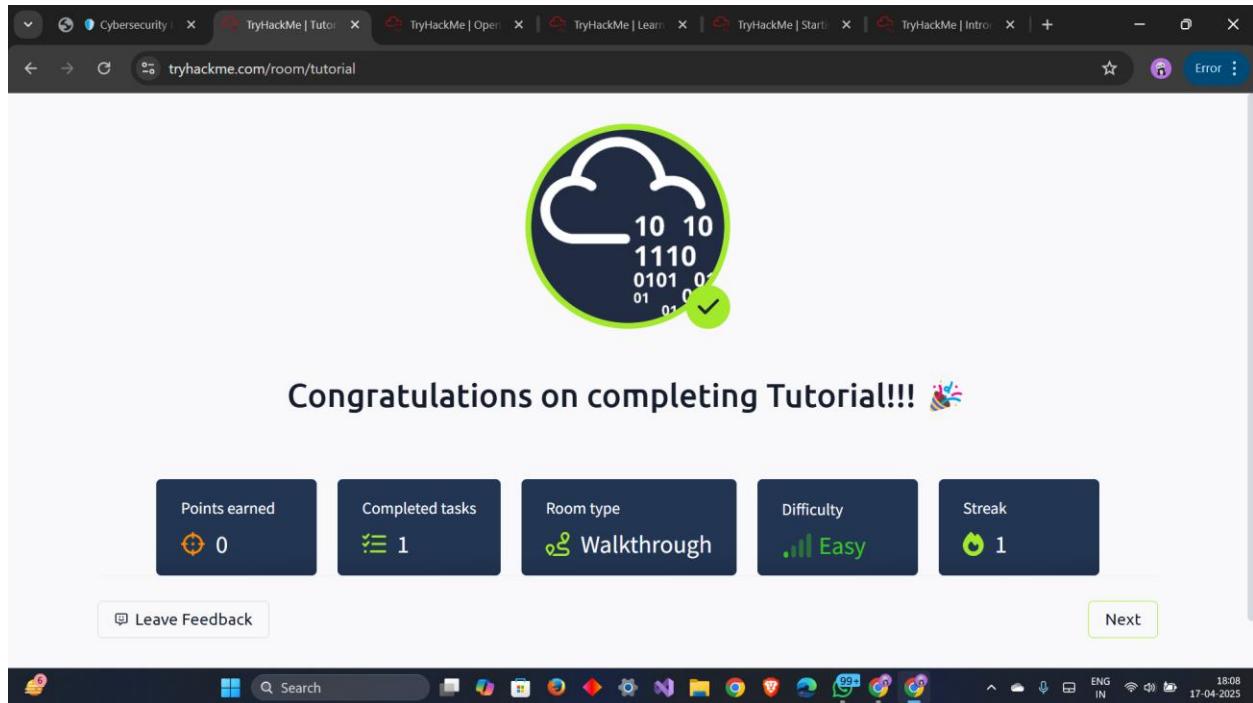
- Navigating Linux file systems
- Listing and reading files using CLI commands
- Identifying hidden files and retrieving information

Walkthrough / How I Solved It:

- Accessed the VM through the split view

- Used basic Linux commands to explore directories and find flags
- Completed all tasks using command-line inputs

Reflections: An engaging and practical room that enhanced my comfort with Linux basics in a cybersecurity context.



6. Room Name: OpenVPN Configuration

[Room Link](#)

Learning Objective:

To learn how to configure and troubleshoot VPN connections for secure lab access.

Key Tools/Commands Used:

- OpenVPN
- Terminal: ifconfig, ping, sudo openvpn

Concepts Learned:

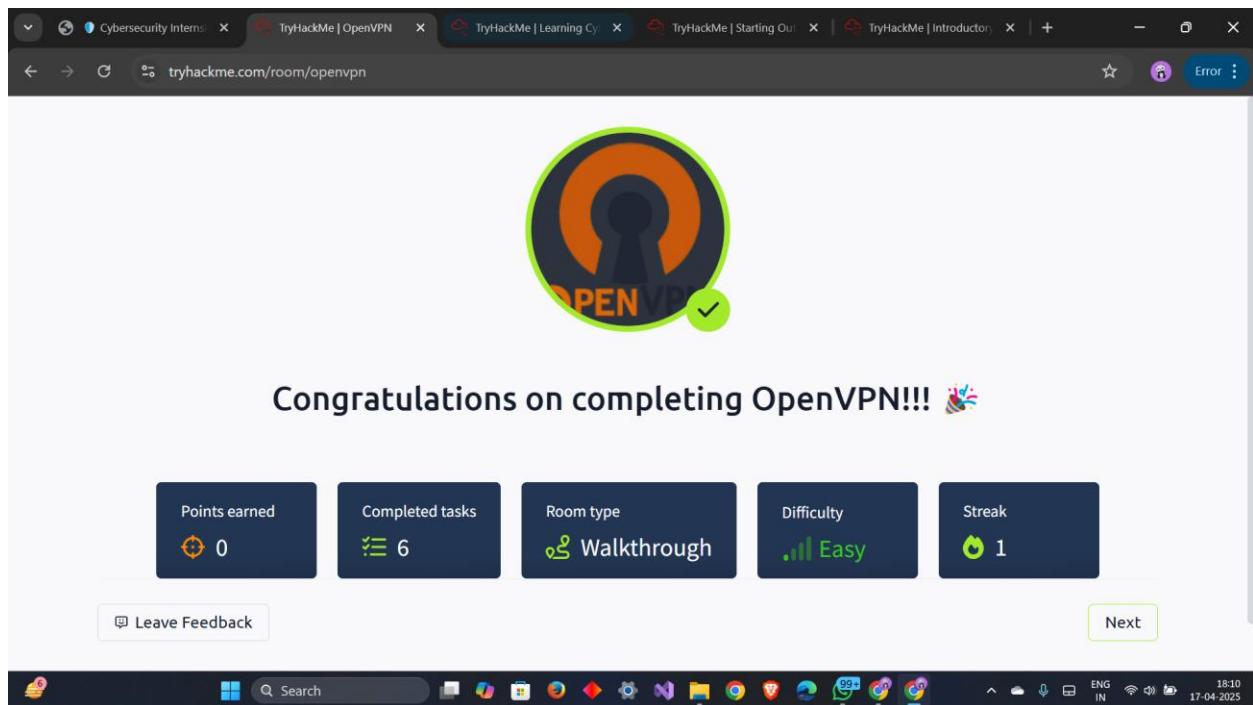
- Setting up secure tunnels using OpenVPN

- Verifying IP configuration and network routes
- Resolving common VPN connection issues

Walkthrough / How I Solved It:

- Downloaded the VPN config file and initiated the connection via terminal
- Confirmed tunnel creation with `ifconfig` and tested reachability with `ping`
- Resolved DNS issues by restarting the service

Reflections: A technical but important room that strengthened my understanding of secure networking.



7. Room Name: Beginner Path Introduction

🔗 [Room Link](#)

Learning Objective:

To understand the structure and benefits of TryHackMe's beginner path.

Key Tools/Commands Used:

- None (Informational only)

Concepts Learned:

- Overview of topics in the beginner path (Networking, Linux, Web Hacking)
- Structured learning progression

Walkthrough / How I Solved It:

- Carefully read the content and reviewed each listed room
- Noted the roadmap and prerequisites for progression

Reflections: The structured path motivated me to stay consistent and work through each room step-by-step.



8. Room Name: Starting Out in Cyber Security

[Room Link](#)

Learning Objective:

To explore the cybersecurity landscape and understand career roles and required skillsets.

Key Tools/Commands Used:

- None (Q&A based and informational)

Concepts Learned:

- Red Team vs Blue Team roles
- Cybersecurity domains: Penetration Testing, SOC Analyst, Malware Analysis, etc.
- Soft skills and team collaboration importance

Walkthrough / How I Solved It:

- Completed interactive questions and reviewed detailed role explanations
- Reflected on which areas suited my interests the most

Reflections: This room solidified my interest in Red Team roles, especially penetration testing.

The screenshot shows a browser window with three tabs open: 'Cybersecurity Internship Assignment', 'TryHackMe | Starting Out In Cyber...', and 'TryHackMe | Introductory Research'. The main content area displays a green circular icon containing a white cloud shape and binary code (10 10 1110 0101 01 01 01). A green notification bar at the top right says 'Woop woop! Your answer is correct' with a checkmark icon. Below the icon, a message says 'Congratulations on completing Starting Out In Cyber Sec!!!' with a small party popper emoji. At the bottom, there are five stats boxes: 'Points earned' (16), 'Completed tasks' (3), 'Room type' (Walkthrough), 'Difficulty' (Easy), and 'Streak' (1). There are also 'Leave Feedback' and 'Next' buttons. The taskbar at the bottom shows various application icons and the date/time '17-04-2025 18:21'.

9. Room Name: Introduction to Research

 [Room Link](#)

Learning Objective:

To develop effective research and self-learning skills in a cybersecurity context.

Key Tools/Commands Used:

- Google
- Technical forums: Stack Overflow, Reddit, TryHackMe Discord

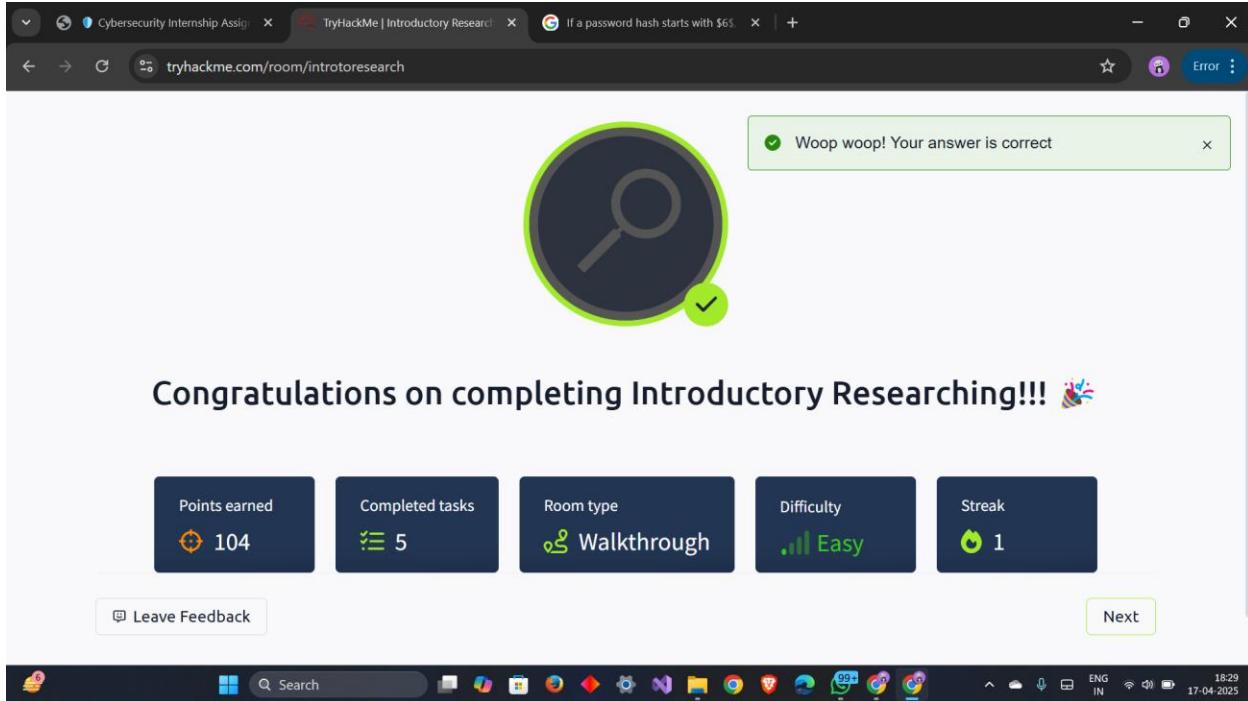
Concepts Learned:

- Using relevant search terms and filters
- Evaluating sources and credibility
- Troubleshooting through independent research

Walkthrough / How I Solved It:

- Followed scenarios where research was needed
- Used trusted resources to find accurate information
- Completed tasks with insights from external forums

Reflections: A critical room that emphasized self-sufficiency—an invaluable skill for all cybersecurity professionals.



End of Report