

□ Cybersecurity Internship Assignment

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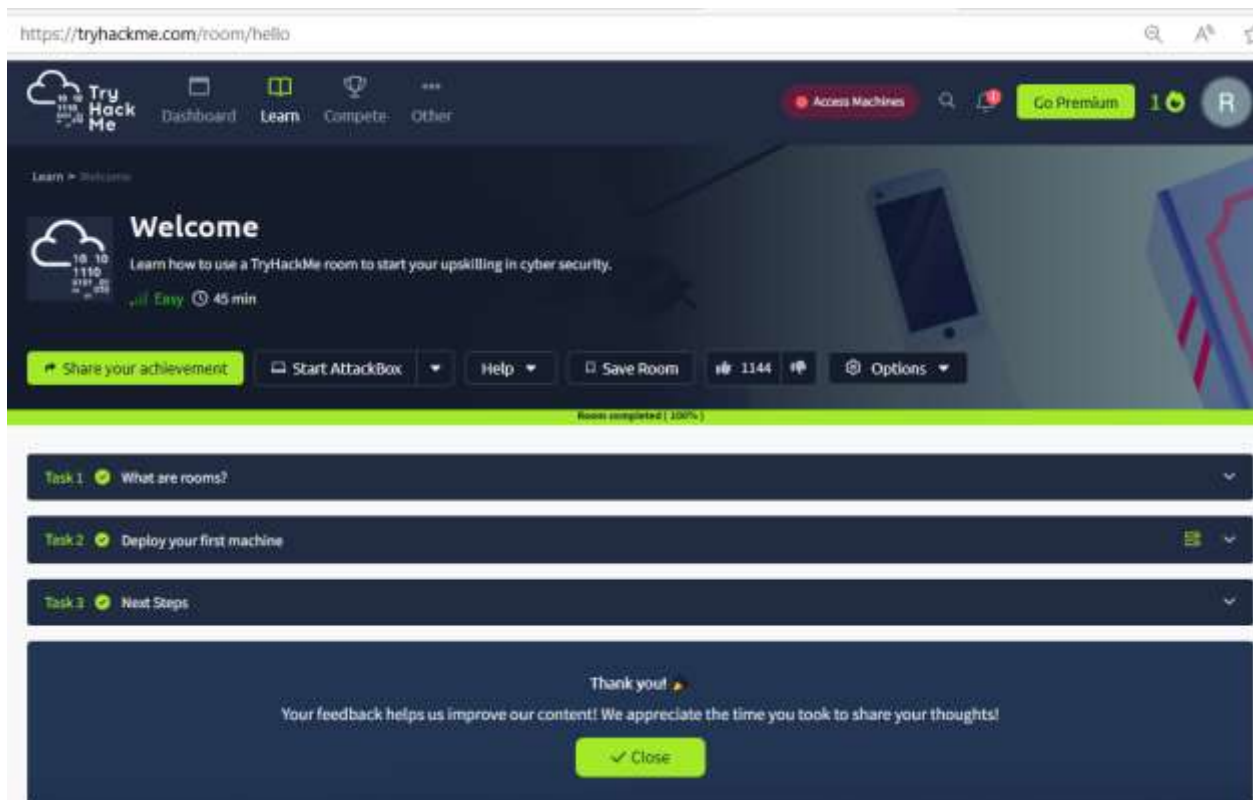
Program: Digisuraksha Parhari Foundation Internship

Supported by: Infinisec Technologies Pvt. Ltd.

Submission Date: 18th April 2025

1. Hello World

❖ **Room Link:** <https://tryhackme.com/room/hello>



Learning Objective:

Get introduced to the TryHackMe platform and complete your first room.

Key Tools/Commands Used

- No tools needed
- Web interface only

Concepts Learned

- How TryHackMe rooms work
- Submitting answers
- Earning completion badges

Walkthrough / How You Solved It

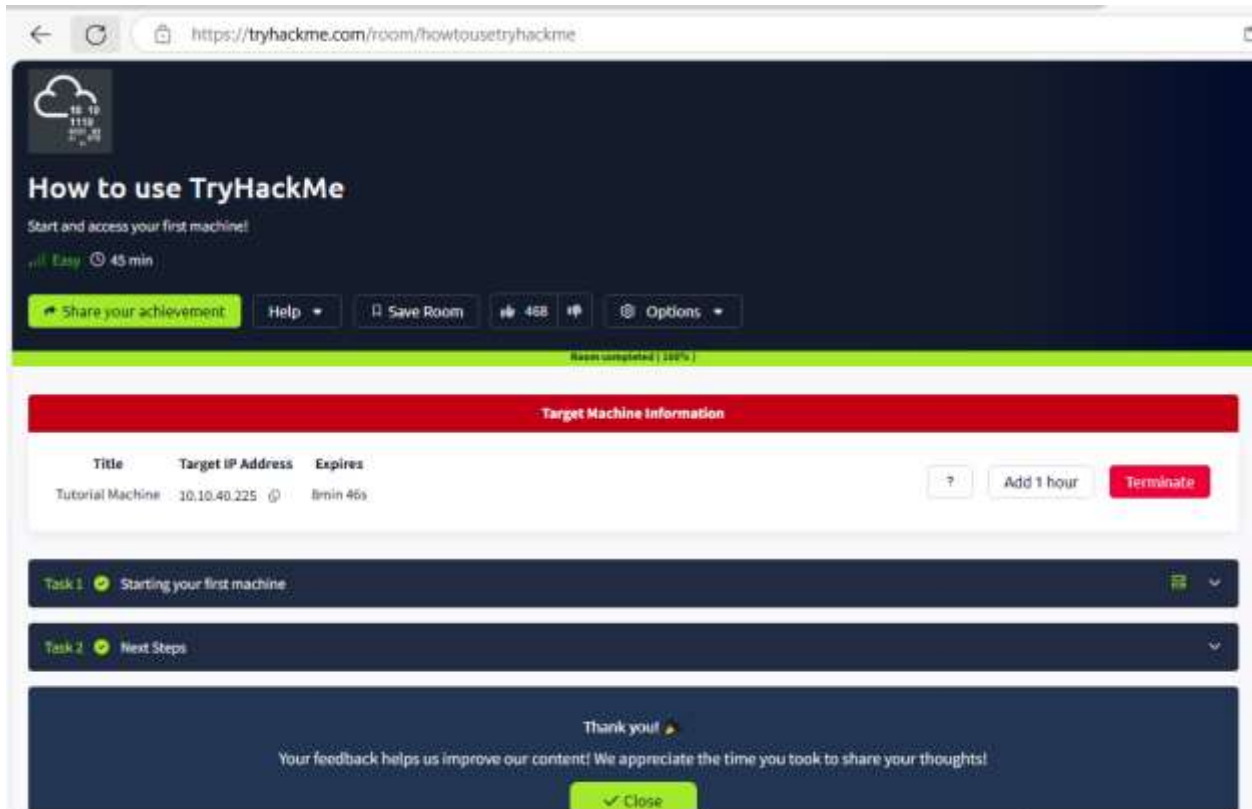
- Logged into TryHackMe
- Opened the room
- Read the instructions
- Submitted the answer in the flag field

Reflections / Notes

This room was a quick intro and helped me understand the structure of future rooms.

2. How to Use TryHackMe ☐

❖ Room Link: <https://tryhackme.com/room/howtousetryhackme>



Learning Objective:

- Learn to navigate rooms, interact with tasks, and use hints effectively.

Key Tools Used:

- TryHackMe Interface

Concepts Covered:

- Split-screen view usage.
- Managing virtual machines.

- Understanding task completion tracking.

Walkthrough:

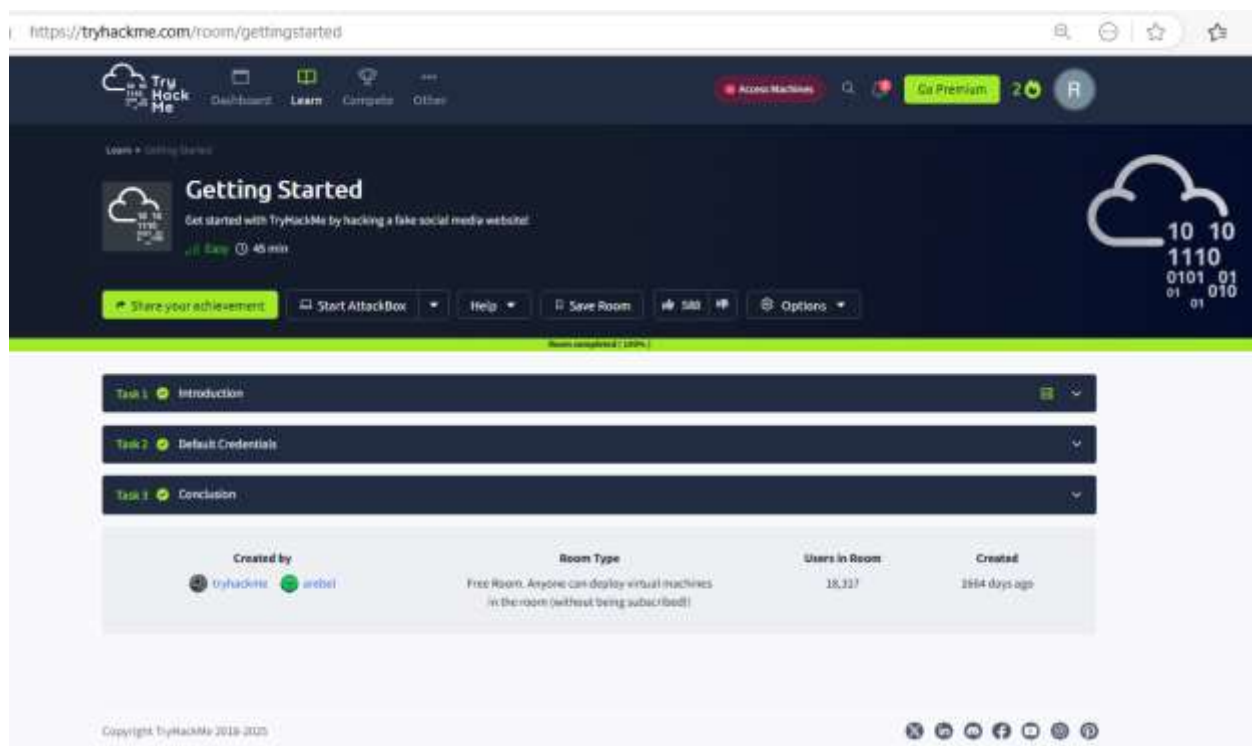
- Explored different features of the interface, practiced starting/stopping VMs, and completed interactive tasks.

Reflections:

- Helped me become comfortable with the platform's technical workflow.

3. Getting Started ☐

❖ Room Link: <https://tryhackme.com/room/gettingstarted>



Learning Objective:

- Set up OpenVPN to securely access lab machines.

Key Tools Used:

- OpenVPN
- Command Line Terminal

Concepts Covered:

- VPN configuration.
- Secure tunneling principles.
- Connectivity verification.

Walkthrough:

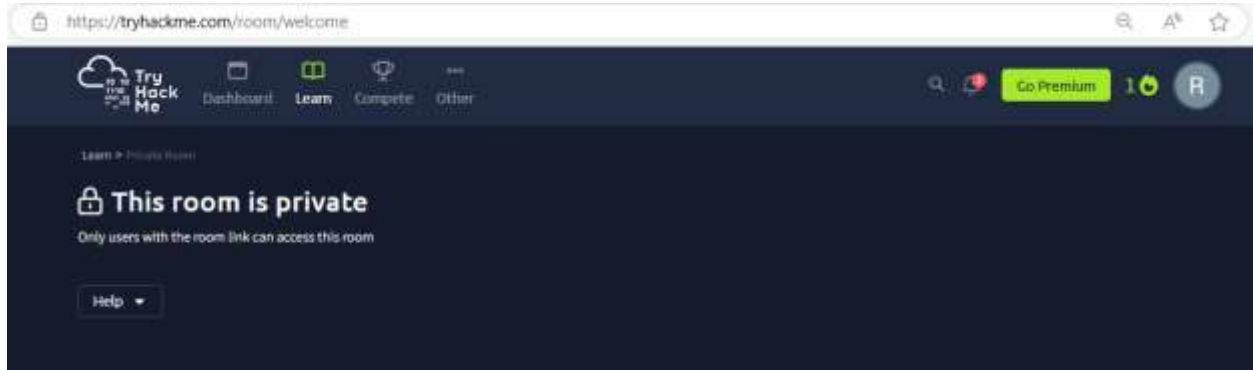
- Installed OpenVPN, imported configuration files, and connected to the network.
- Verified connectivity using terminal commands.

Reflections:

- Vital for accessing labs securely. Minor connection issues were easily fixed through troubleshooting.
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4. Welcome ?

❖ Room Link: <https://tryhackme.com/room/welcome>



Learning Objective:

- Understand TryHackMe's learning paths and available resources.

Key Tools Used:

- None (Informational)

Concepts Covered:

- Overview of Beginner and Offensive Security paths.
- Structured learning roadmap.

Walkthrough:

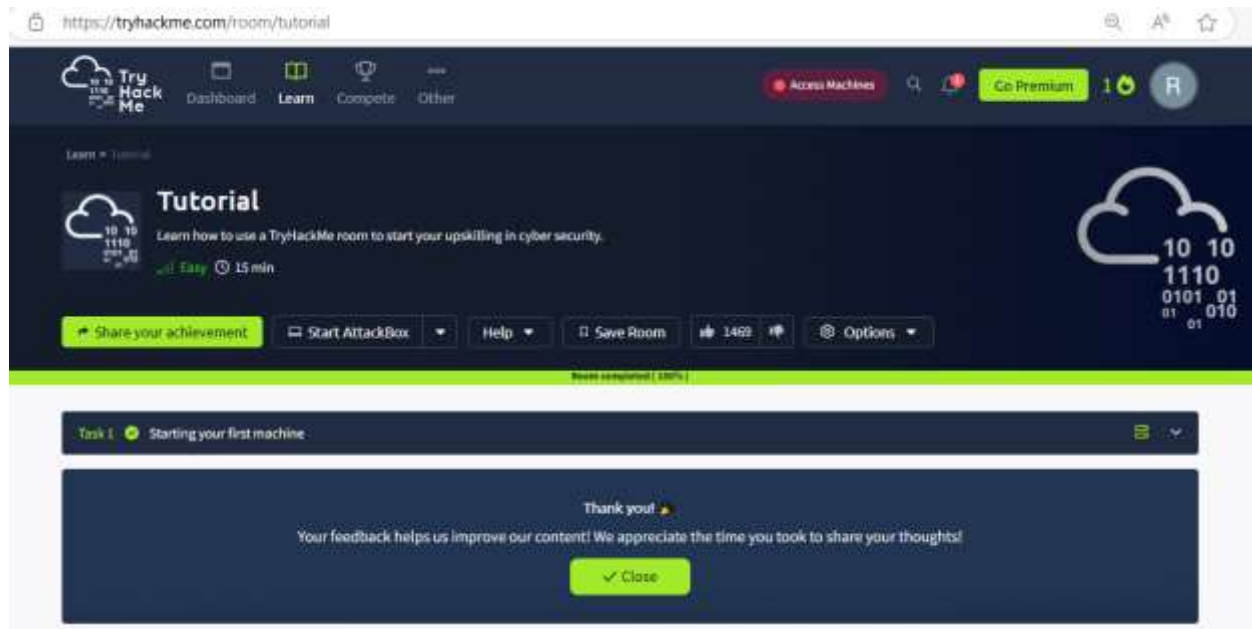
- Explored available learning paths through provided links and content.

Reflections:

- Inspired me to pursue a structured path and explore cybersecurity systematically.

5. TryHackMe Tutorial ☐

❖ Room Link: <https://tryhackme.com/room/tutorial>



Learning Objective:

- Practice basic Linux commands within TryHackMe's environment.

Key Tools Used:

- Linux Terminal (in-built TryHackMe VMs)

Concepts Covered:

- Directory navigation (ls, cd commands).
- File handling (cat, nano).

Walkthrough:

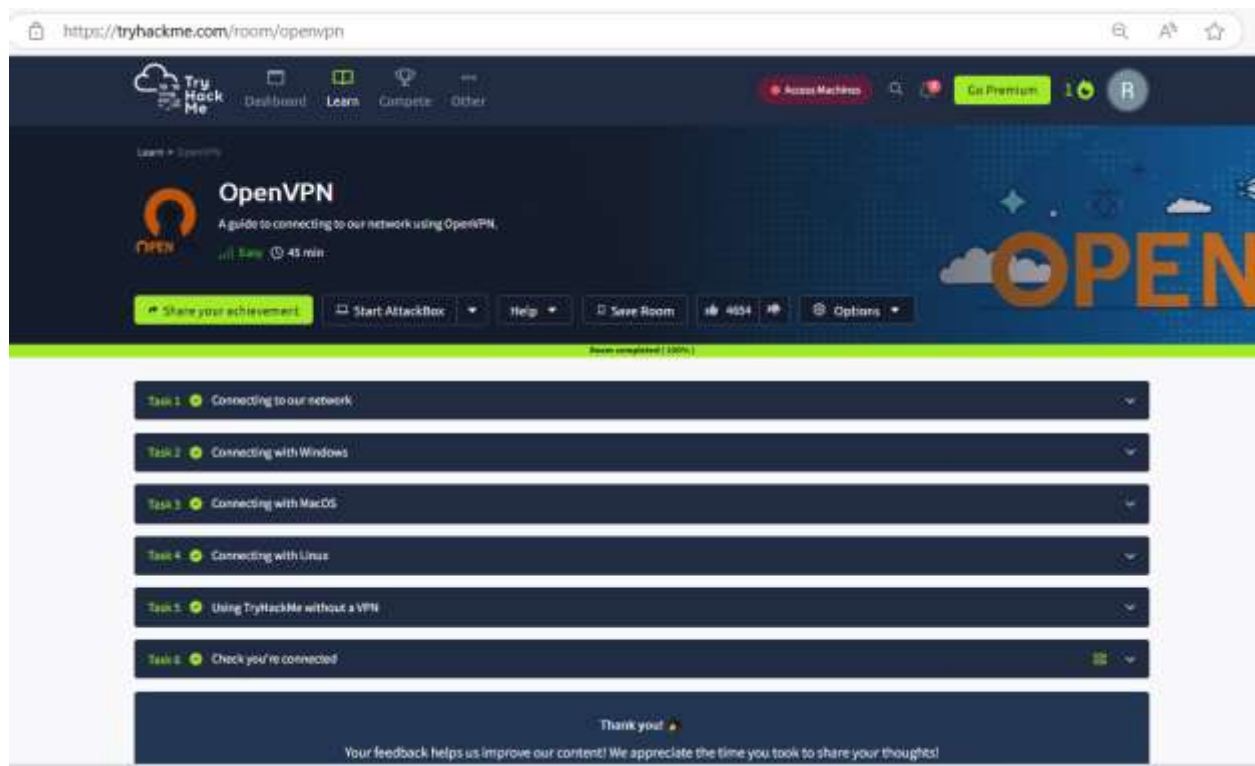
- Accessed the virtual machine, used Linux commands to navigate directories, and completed all tasks.

Reflections:

- Strengthened my Linux basics and highlighted the importance of CLI skills in cybersecurity.
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6. OpenVPN Configuration ?

❖ Room Link: <https://tryhackme.com/room/openvpn>



Learning Objective:

- Master VPN setup for safe, remote access to TryHackMe machines.

Key Tools Used:

- OpenVPN
- Terminal

Concepts Covered:

- VPN tunnel establishment.
- Network interface verification.

Walkthrough:

- Followed step-by-step OpenVPN installation and connection instructions.
- Used ifconfig and ping to verify the network status.

Reflections:

- Realized how essential VPNs are for remote cybersecurity work.
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7. Beginner Path Introduction ☐

❖ Room Link: <https://tryhackme.com/room/beginnerpathintro>



Learning Objective:

- Introduction to the structured cybersecurity beginner roadmap.

Key Tools Used:

- None

Concepts Covered:

- Roadmap overview for beginners.
- Importance of a step-by-step learning approach.

Walkthrough:

- Reviewed the roadmap and explored introductory topics like networking and Linux.

Reflections:

- Encouraged me to stay committed to completing the entire Beginner Path for a solid foundation.
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8. Starting Out in Cyber Security ?

❖ Room Link: <https://tryhackme.com/room/startingoutincybersec>



Learning Objective:

- Understand various career paths and roles in cybersecurity.

Key Tools Used:

- None

Concepts Covered:

- Introduction to Red Team vs Blue Team.
- Exploration of different job roles (SOC Analyst, Penetration Tester, etc.).

Walkthrough:

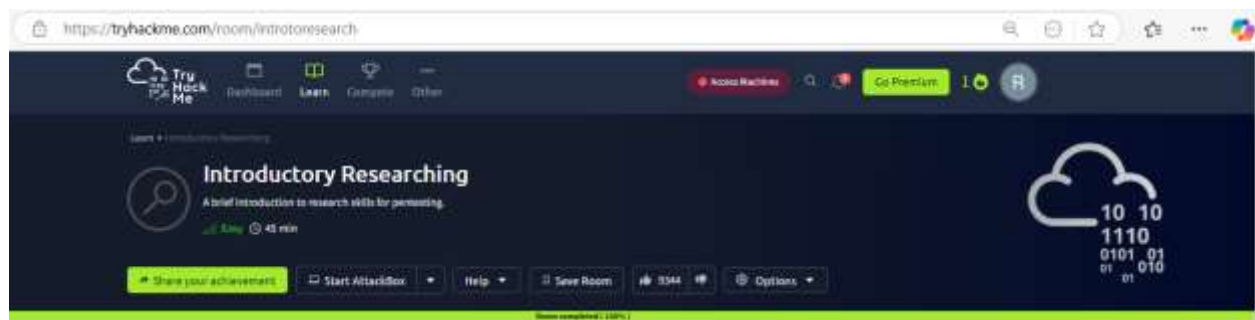
- Answered interactive questions and learned about required skills and responsibilities for each role.

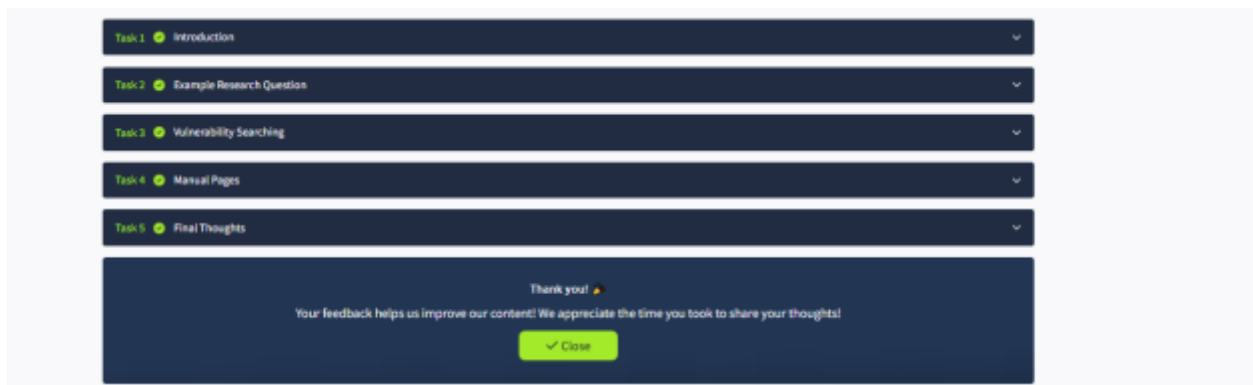
Reflections:

- Gained clarity about career options; Penetration Testing is particularly appealing to me.

9. Introduction to Research

❖ Room Link: <https://tryhackme.com/room/introtoresearch>





Learning Objective:

- Develop independent research skills essential for cybersecurity.

Key Tools Used:

- Google
- Reddit, StackOverflow, TryHackMe Discord

Concepts Covered:

- Effective research techniques.
- Importance of reliable sources.

Walkthrough:

- Completed practical research tasks using online resources and forums.

Reflections:

- This room emphasized the value of being resourceful, a key trait for cybersecurity professionals.