

🛡️ Cybersecurity Internship Assignment

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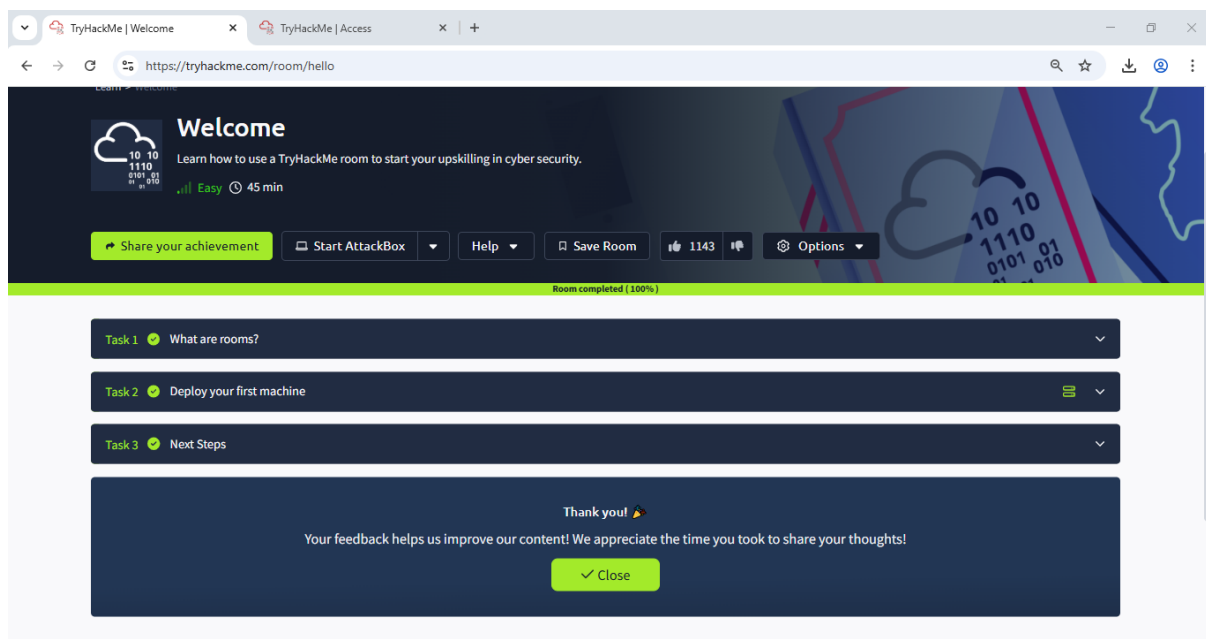
Program: Digisuraksha Parhari Foundation Internship

Supported by: Infinisec Technologies Pvt. Ltd.

Submission Date: 18th April 2025

1. Hello World 🌐

🔗 **Room Link:** Hello World-<https://tryhackme.com/room/hello>



Learning Objective:

- Familiarize with TryHackMe's platform structure and navigation.

Key Tools Used:

- TryHackMe Web Interface

Concepts Covered:

- Understanding room layouts and task progression.
- How to access and interact with virtual machines.

Walkthrough:

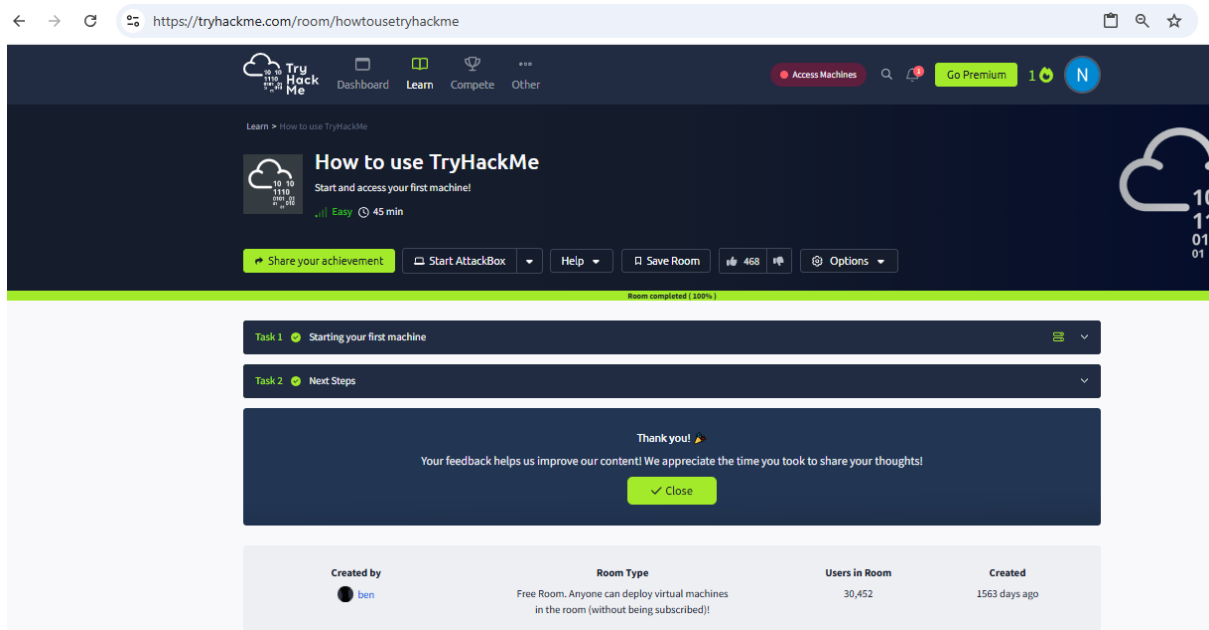
- Logged into TryHackMe and joined the Hello World room.
- Navigated through each task and completed them sequentially.

Reflections:

- A great introduction to the platform, very beginner-friendly and easy to understand.

2. How to Use TryHackMe ☒

🔗 **Room Link:** How to Use TryHackMe - <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:

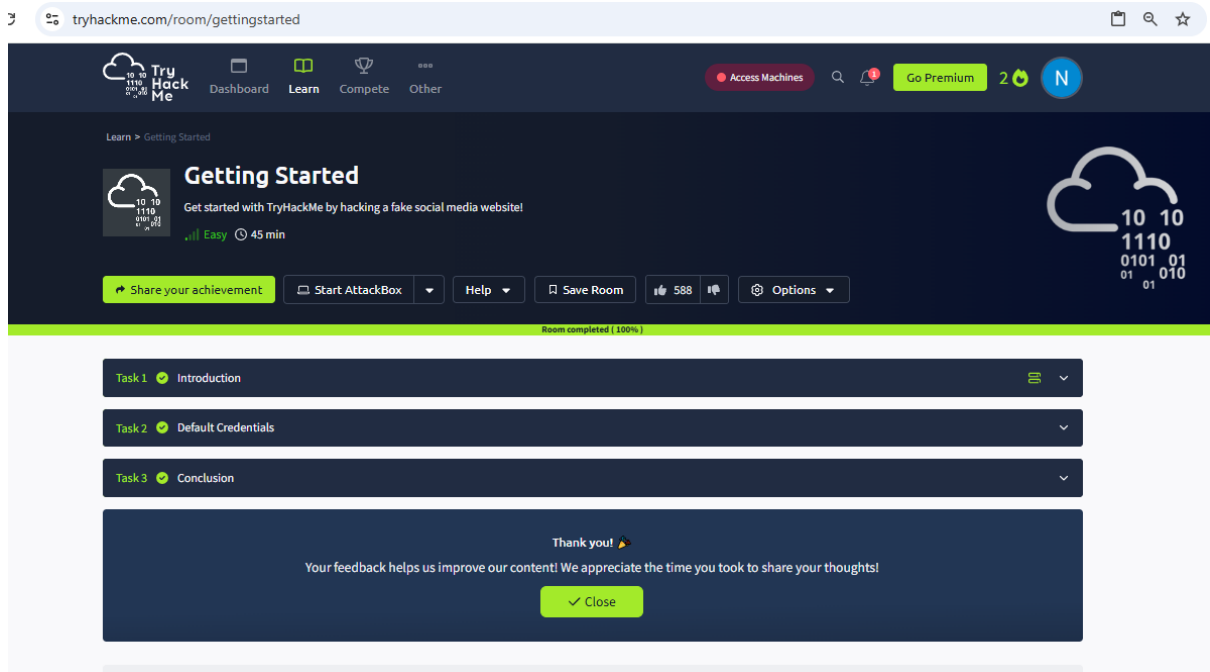
- Explored different features of the interface, practiced starting/stopping VMs, and completed interactive tasks.

Reflections:

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

3. Getting Started ⚙️

🔗 **Room Link:** Getting Started - <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:

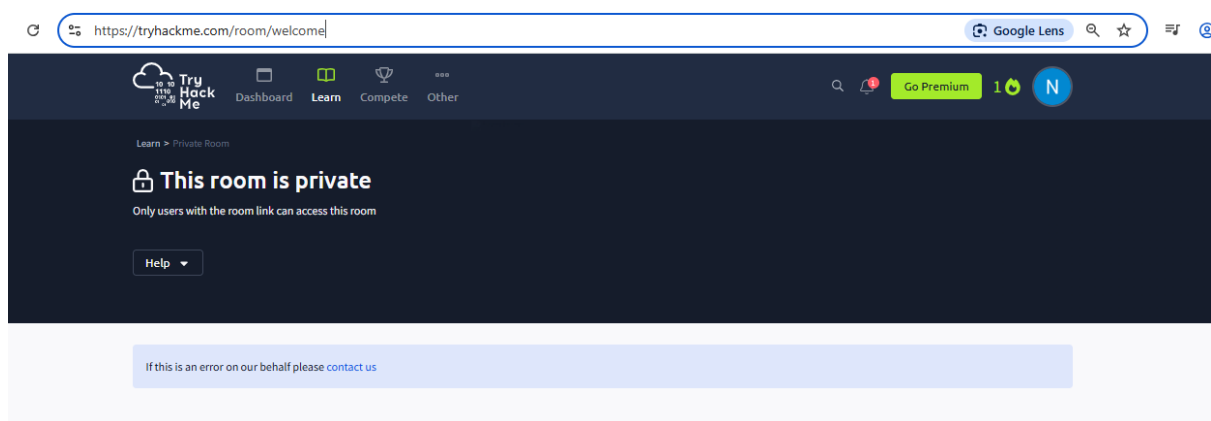
- Installed OpenVPN, imported configuration files, and connected to the network.
- Verified connectivity using terminal commands.

Reflections:

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

🔗 **Room Link:** Welcome - <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:

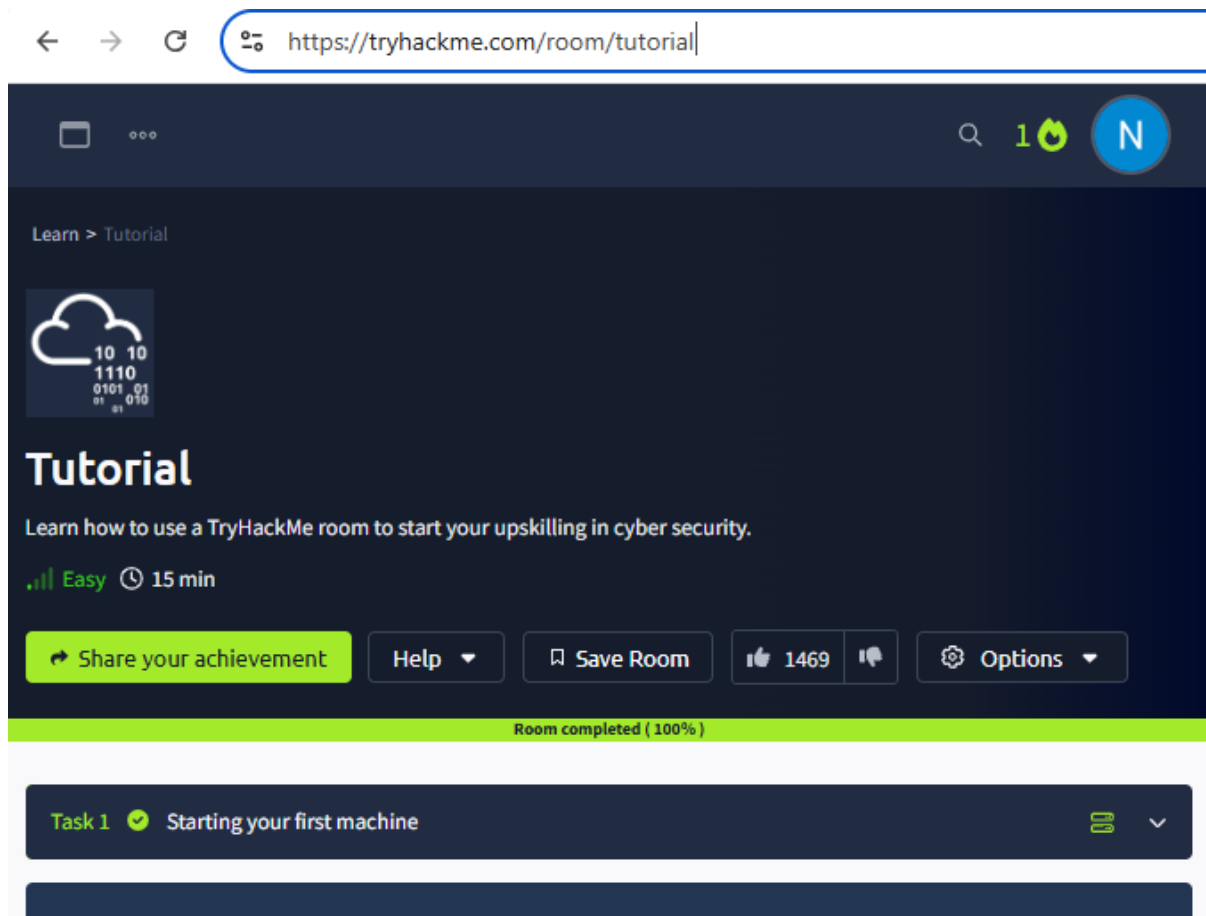
- Explored available learning paths through provided links and content.

Reflections:

- Inspired me to pursue a structured path and explore cybersecurity systematically.
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5. TryHackMe Tutorial 📖

🔗 **Room Link:** TryHackMe Tutorial - <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:

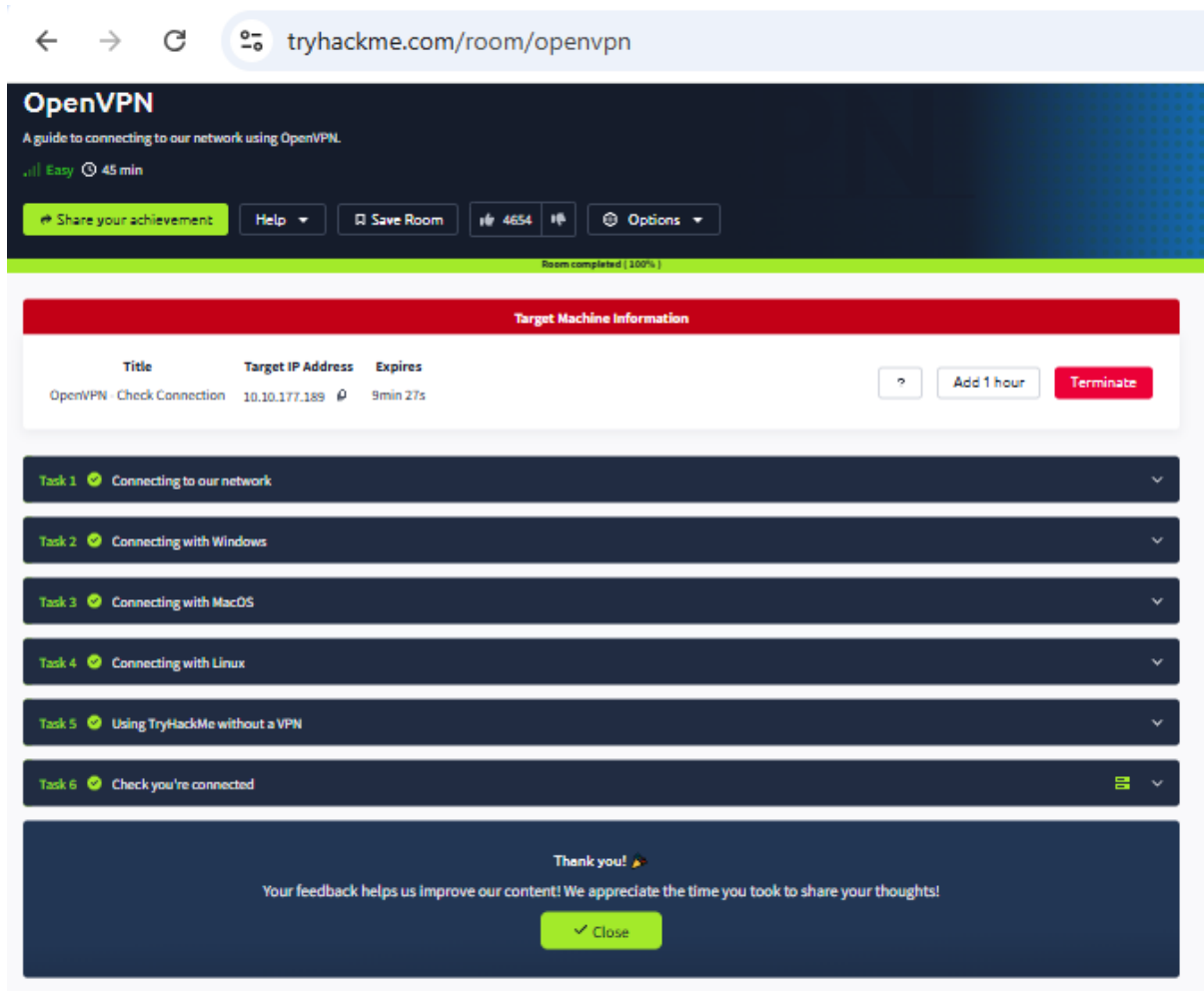
- Accessed the virtual machine, used Linux commands to navigate directories, and completed all tasks.

Reflections:

- Strengthened my Linux basics and highlighted the importance of CLI skills in cybersecurity.

6. OpenVPN Configuration

🔗 **Room Link:** OpenVPN Configuration- <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.

7. Beginner Path Introduction 🏠

🔗 Room Link: Beginner Path Introduction - <https://tryhackme.com/room/beginnerpathintro>

The screenshot shows a web browser at the URL `tryhackme.com/room/beginnerpathintro`. The page has a dark blue header with a small icon of a person in a blue suit. Below the header, the title "Learning Cyber Security" is displayed in white. A subtitle reads: "Get a short introduction to a few of the security topics you'll be learning about." Below this, it says "Easy" with a clock icon and "45 min". A row of buttons includes "Share your achievement" (green), "Help" (dropdown), "Save Room" (bookmark icon), "14197" (likes), and "Options" (dropdown). A green progress bar at the bottom of the header area indicates "Room completed (100%)". Below the header, there are three task cards, each with a green checkmark and a dropdown arrow: "Task 1 Web Application Security", "Task 2 Network Security", and "Task 3 Learning Roadmap". At the bottom, a dark blue box contains the text "Thank you! 🙌" and "Your feedback helps us improve our content! We appreciate the time you took to share your thoughts!". A green button with a checkmark and the text "Close" is at the bottom of this box.

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.

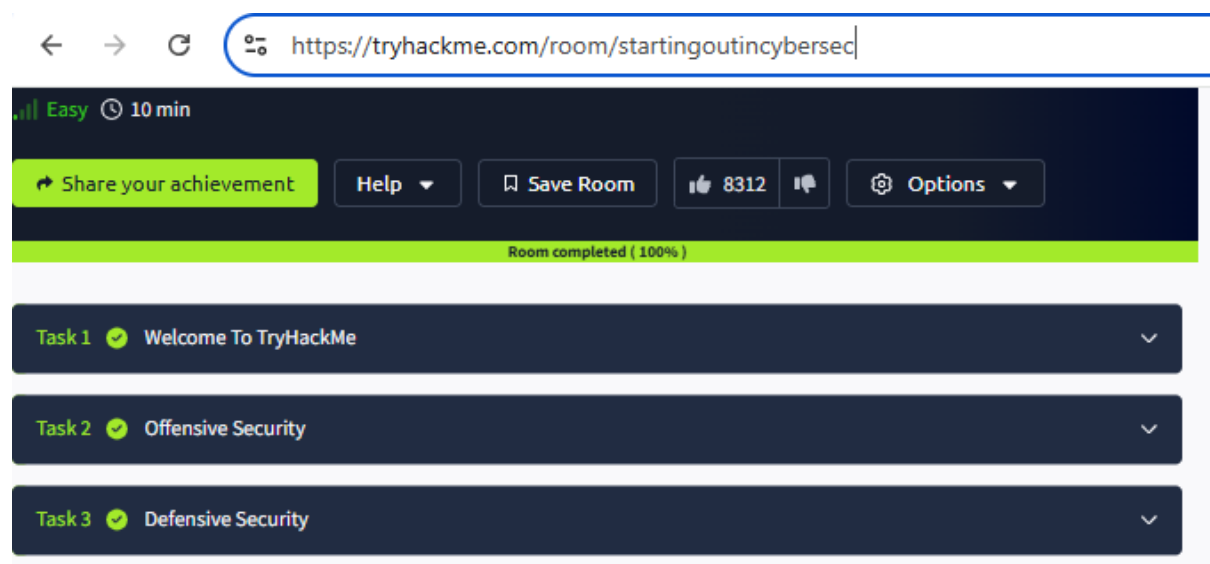
Reflections:

- Encouraged me to stay committed to completing the entire Beginner Path for a solid foundation.

8. Starting Out in Cyber Security 🔍

🔗 **Room Link:** Starting Out in Cyber Security-

<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:

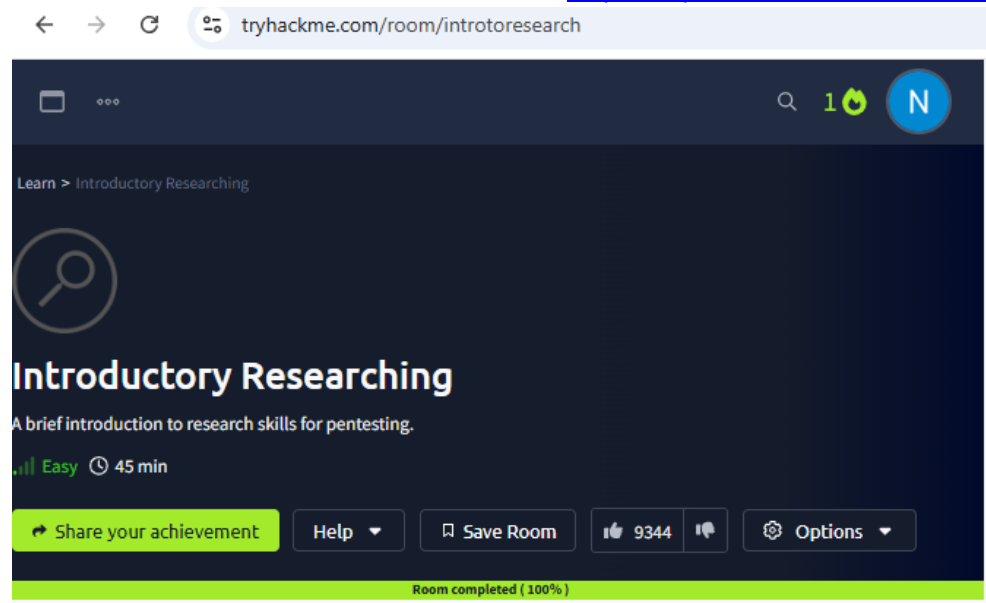
- Answered interactive questions and learned about required skills and responsibilities for each role.

Reflections:

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

9. Introduction to Research 🔍

🔗 Room Link: Introduction to Research - <https://tryhackme.com/room/introtoresearch>



Task 1	✔	Introduction	▼
Task 2	✔	Example Research Question	▼
Task 3	✔	Vulnerability Searching	▼
Task 4	✔	Manual Pages	▼
Task 5	✔	Final Thoughts	▼

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.
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