



CYBERDOSTI INTERNSHIP



Every day is a new beginning



GET STARTED →

2023



www.cyberdosti.com

Created by **CYBERDOSTI**



CYBER SECURITY & ETHICAL HACKING

1ST MONTH PROJECT'S



(Select Any Three)

- Password Generator Tool
- Text Encryption
- Keylogger
- Antivirus
- Multi-Factor Authentication System
- Brute Force Password Cracker

Learning never exhausts the mind."

Created by-CYBERDOSTI



PROJECT DESCRIPTION

01

Password Generator Tool

Develop a password generation tool that creates robust and secure passwords according to user-specified preferences

02

Text Encryption

Develop an application enabling users to encrypt and decrypt messages using the Caesar cipher technique.

03

Keylogger

Create a Keylogger project to log typed input on a device, emphasizing security risks; however, note that unauthorized development or use is unethical and potentially illegal.

04

Multi-Factor Authentication System

Build a simple multi-factor authentication system demanding dual or more authentication methods for accessing a simulated website or app.

05

Antivirus

Create a basic antivirus project capable of scanning files and identifying potential malware or suspicious content.

06

Brute Force Password Cracker

Develop a fundamental brute force password cracking tool showcasing an attacker's approach of exhaustive trial and error for password decryption.



Internship Instructions

- ☑ Choose any three projects out of six Projects
 - ☑ Complete One Project within a weeks.
 - ☑ Create a video Presentation of the Project.
 - ☑ Post the video on linkedIn and tag us.
 - ☑ Complete one Assignment each week.
 - ☑ Submit your assignments weekly.
 - ☑ Complete your project and assignment on time.
 - ☑ Make a comprehensive report of the entire month work.
-

Dream big and dare to fail!

Created by-**CYBERDOSTI**

TASKS :

****Cybersecurity Assignment Choices (Choose any 2):****

Task 1: Linux Lab Challenges on TryHackMe

Attempt and solve basic Linux lab challenges on TryHackMe platform.

- <https://tryhackme.com/room/linuxfundamentalspart1>
- <https://tryhackme.com/room/linuxfundamentalspart2>
- <https://tryhackme.com/room/linuxfundamentalspart3>

Task 2: Comprehensive Exploration of Linux Commands (PPT Format)

- Create a PowerPoint presentation featuring 50 Linux commands along with their practical applications.
- Execute these commands on your computer for a real-life experience.

Task 3: Cybersecurity Roadmap choose any 1 (PPT or word Format or jpg and png)

- Develop a comprehensive roadmap for Cybersecurity, Penetration Testing, or Ethical Hacking in a PowerPoint presentation.

Task 4: Understanding Burp Suite (PPT or word Format)

- Create a PowerPoint presentation explaining what Burp Suite is, its practical applications, and define all relevant keywords associated with it.

SUBMISSION :

<https://forms.gle/Na2Tx4LFJFfNhDC19>

Great things never come from comfort zones.

Created by-CYBERDOSTI

TASKS :

****Cybersecurity Assignment Choices (Choose any 2):****

Task 1: Completing Lab Assignments and Uploading Screenshots

Solve the designated labs from the following rooms: "

- Further Nmap"
(<https://tryhackme.com/room/furthernmap>)
- and "Introduction to Networking"
(<https://tryhackme.com/room/introtonetworking>).

Task 2: Online Scam Awareness (PPT or Word Format)

- Research and gather information about a common online scam, such as phishing or tech support scams.
- List precautions and preventive measures to help individuals avoid falling victim to such scams.
- Create a presentation (PPT) or document (Word) summarizing your findings and insights.

Task 4: Advanced Phishing Awareness Presentation

- Research advanced phishing techniques, such as spear-phishing and whaling, which are more targeted and sophisticated.
- Create an educational presentation or document detailing these advanced phishing techniques.

SUBMISSION :

<https://forms.gle/Na2Tx4LFJfNhDC19>

Great things never come from comfort zones.

Created by-CYBERDOSTI

TASKS :

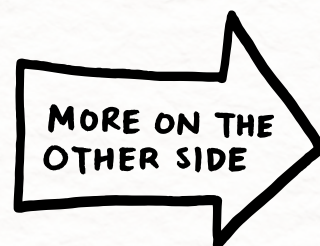
****Cybersecurity Assignment Choices (Choose any 2):****

Task 1: Linux Lab Challenges on TryHackMe

- [Red Team Recon]
(<https://tryhackme.com/room/redteamrecon>)
- [Passive Recon]
(<https://tryhackme.com/room/passiverecon>).

Task 2: Cybersecurity Basics Presentation (PPT)

- Create a PowerPoint presentation (PPT) to educate others about fundamental cybersecurity concepts.
- Cover topics like:
 1. Types of cybersecurity threats (e.g., malware, phishing).
 2. Common vulnerabilities (e.g., weak passwords, unpatched software).
 3. Risk management strategies.
- Use clear visuals, examples, and explanations to make the concepts accessible to your audience.



Great things never come from comfort zones.

Created by-CYBERDOSTI

TASKS :

****Cybersecurity Assignment Choices (Choose any 2):****

Task 3: Network Penetration Testing (PPT/Word)

- Prepare a presentation (PPT) or a Word document that explains the concept of network penetration testing.
- Discuss why network penetration testing is essential for identifying vulnerabilities in computer networks.
- Provide examples or case studies to illustrate the impact of successful penetration testing.

 **SUBMISSION :** 

<https://forms.gle/Na2Tx4LFJFfNhDC19>

TASKS :

****Cybersecurity Assignment Choices (Choose any 2):****

Task 1: Burp Suite Challenges (TryHackMe)

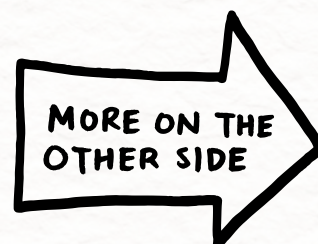
Complete the Burp Suite challenges on TryHackMe to enhance your web application security skills. You can access the challenges at the following links:

- Burp Suite Basics: <https://tryhackme.com/room/burpsuitebasics>
- Burp Suite Repeater: <https://tryhackme.com/room/burpsuiterepeater>
- Request Smuggling Lab (PortSwigger): <https://portswigger.net/web-security/request-smuggling/lab-basic-te-cl>

Task 2: Cybersecurity Incident Response Plan (Word/PDF)

Create a comprehensive incident response plan document in either Word or PDF format. Your plan should:

- Outline the key steps and procedures to follow when a cybersecurity incident occurs.
- Include sections such as incident detection, containment, eradication, recovery, and post-incident analysis.
- Provide specific guidelines for different types of incidents (e.g., malware infection, data breach, DDoS attack).
- Emphasize the importance of communication, coordination, and documentation during incident response.



Great things never come from comfort zones.

Created by-CYBERDOSTI

TASKS :

****Cybersecurity Assignment Choices (Choose any 2):****

Task 3: Cybersecurity News Analysis (Report)

Choose a recent cybersecurity news article or incident (within the last two months) and analyze it in a report format. Your analysis should:

- Summarize the incident, including the type of attack, target, and impact.
- Discuss the lessons learned from the incident and how similar incidents can be prevented in the future.
- Provide recommendations for organizations to enhance their cybersecurity posture based on the incident analysis.
- Include references to reputable sources to support your analysis.

Task 4: Secure Coding Practices (Code Review)

Select a programming language of your choice (e.g., Python, Java) and find an open-source code repository. Conduct a code review of the selected repository with a focus on identifying and addressing potential security vulnerabilities. Your review should:

- Create a detailed report or presentation highlighting the vulnerabilities found, their potential impact, and suggested code improvements.
- Explain the importance of secure coding practices in preventing common vulnerabilities like SQL injection, XSS, and buffer overflows.

SUBMISSION :

<https://forms.gle/Na2Tx4LFJFfNhDC19>



THINGS TO REMEMBER

- 🎯 **Project Selection:** ⭐ Choose 3 projects out of the 6 available options.
- 📅 **Weekly Assignments:** You will complete assignments every week. Complete them within the specified time frame.

Week 1:

- Complete the first project and the weekly assignments.
- Submit screenshots of your assignments and video of your project and work to the Google Drive folder.

Week 2:

- Complete the second project and the weekly assignments.
- Submit screenshots of your assignments and video of your project and work to the Google Drive folder.

Week 3:

- Complete the third project and the weekly assignments.
- Submit screenshots of your assignments and video of your project and work to the Google Drive folder.

Week 4:

- Prepare reports for each project.
 - Complete any additional assignments that we will give .
 - Submit screenshots and project reports of your work to the Google Drive folder.
-

Dream big and dare to fail!

Created by-CYBERDOSTI



THINGS TO REMEMBER

Final Report (Week 4):

* Detailed instructions about the final report and format will be provided at the beginning of week 4.

Important Reminders

- Once you complete a project, please share it on your linkedin profile and dont forget to mentioned us.
- All submissions must be made on time. Late submissions will not be accepted.

Mega-Important Alert

 For the submission of assignments or projects.

 create a Google Drive folder named "CYBERDOSTI INTERNSHIP".

 Within that folder, create WEEK-wise folders (e.g., WEEK 1, WEEK 2, etc.).

 Upload screenshots of completed assignments and projects for each week in their respective folders.

 All assignments should be uploaded in the main "CYBERDOSTI INTERNSHIP" folder, with subfolders like "week 1", "week 2", etc.

 Please maintain "Anyone with View Only" access to the Google Drive folder for our review.

* Submit screenshots of your work to the Google Drive folder.



Formatting Guidelines for Assignments :

1. Choose any PowerPoint (PPT) OR Word style that suits your selected tasks.
2. Emphasize clarity, readability, and visual appeal in your presentations.
3. Elevate the aesthetics of your presentation by employing suitable fonts, colors, and formatting styles.

Submission:

Please submit your assignment electronically in selected file format. Make sure your file names are clear and follow a logical naming convention (e.g., Task1_Roadmap.pptx, Task1_Roadmap.docx).

Deadline:

Ensure you meet the assignment deadline.

Grading Criteria:

Your assignment will be evaluated based on the relevance of the content, depth of research, quality of the presentation or word file, and adherence to instructions.

Note: Should you have any questions or need further clarification about the assignment tasks, do not hesitate to contact us on whatsapp.

Dream big and dare to fail!



ALL IMPORTANT LINKS

Assignment Submission:

<https://forms.gle/Na2Tx4LFJFfNhDC19>

Report Format:

<https://drive.google.com/drive/folders/1fx7X45gnQRth2R5L-ophhIhECWNObssW?usp=sharing>

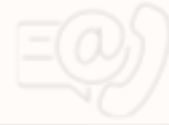
Final Submission:

<https://forms.gle/BwJcCmQm7qFV5kRZA>

Dream big and dare to fail!



Contact us



+91 8602489235



www.cyberdosti.com



info@cyberdosti.com



www.linkedin.com/in/cyberdosti

You are the author of your own story. !