

Task 8 :Identify and Remove Suspicious Browser Extensions

- **Objective:** Understand the role of VPNs in protecting privacy and secure communication.
- **Tools:**Free VPN client (ProtonVPN free tier, Windscribe free)
- **Deliverables:** Report describing VPN setup steps and connection status screenshot.

Hints/Mini Guide:

1. Choose a reputable free VPN service and sign up.
2. Download and install the VPN client.
3. Connect to a VPN server (choose closest or any location).
4. Verify your IP address has changed (use whatismyipaddress.com).
5. Browse a website to confirm traffic is encrypted.
6. Disconnect VPN and compare browsing speed and IP.
7. Research VPN encryption and privacy features.
8. Write a summary on VPN benefits and limitations.

Outcome: Hands-on experience with VPNs and understanding of privacy tools.

Interview Questions:

1. What is a VPN?
2. How does a VPN protect privacy?
3. Difference between VPN and proxy?
4. What is encryption in VPN?
5. Can VPN guarantee complete anonymity?
6. What protocols do VPNs use?
7. What are some VPN limitations?
8. How does a VPN affect network speed?

Key Concepts: VPN, encryption, privacy, tunneling protocols, network security.

Submit Here:

After completing the task, paste your GitHub repo link and submit it using the link below:

-  [\[Submission Link\]](#).

📌 Task Submission Guidelines

- 🕒 **Time Window:**

You can complete the task anytime between 10:00 AM to 10:00 PM on the given day. Submission link closes at 10 :00 PM

- 🔍 **Self-Research Allowed:**

You are free to explore, Google, or refer to tutorials to understand concepts and complete the task effectively.

- 🛠️ **Debug Yourself:**

Try to resolve all errors by yourself. This helps you learn problem-solving and ensures you don't face the same issues in future tasks.

- 💰 **No Paid Tools:**

If the task involves any paid software/tools, do not purchase anything. Just learn the process or find free alternatives.

- 📁 **GitHub Submission:**

Create a new GitHub repository for each task.

Add everything you used for the task — code, datasets, screenshots (if any), and a **short README.md** explaining what you did.

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Best
of
Luck

