

# Internship Dossier & Digital Portfolio

**Name:** Sneha

**Organization:** InfoSec Dot

**Duration:** June–July 2025

**Team:** Sneha & Divyanshu Raj

**Week 8: Final Task**

---

## Weekly Task Summaries

### Week 1 – Blog Creation

In Week 1, our team developed two blog posts:

- **Topic 1:** When Machines Hacks Back
- **Topic 2:** More Data, More Risk

We co-authored both blogs collaboratively. I contributed to "When Machines Hacks Back" by researching key points and presenting a structured draft. My main focus, however, was "**More Data, More Risk**"—I handled the research, writing, and formatting for this blog. This experience sharpened my cybersecurity writing skills and deepened my understanding of data overexposure and its risks.

 [Blogs](#)

## Week 2 – Carousel Design

In Week 2, we were assigned the task to create two carousels on cybersecurity-related topics. As a team, we decided on topics:

- **Topic 1:** When AI Hacks Back
- **Topic 2:** More Data More Risk

I personally explored **More Data More Risk** in more depth, handling research, content structuring, and design. The project helped me strengthen my ability to convey complex cybersecurity concepts in a visually engaging and simplified manner.



## Week 3 – Case Study Analysis

In Week 3, our task was to prepare two case studies based on real-world cybersecurity incidents. We selected the following topics:

- **Topic 1:** Deepfake Deception – How Elon Musk AI Videos Fueled Multi-Billion Dollar Scams in the U.S. (2024)
- **Topic 2:** Adidas Data Breach – May 2025

I focused more on **Topic 1**, where I conducted a detailed analysis of the deepfake-driven scam. My research involved examining the timeline of events, evaluating the incident response strategies, and identifying key lessons learned from the attack. The case highlighted the growing risks of AI-generated misinformation in cybersecurity.



## Week 4 – OSINT Report

This week, we were assigned to create reports based on OSINT investigations. The topics we selected were:

- **Topic 1:** Maigret
- **Topic 2:** John the Ripper

I focused more on **Maigret**, exploring it using various OSINT tools and techniques to collect, verify, and analyze publicly available information.



## Week 5 – News Curation

In Week 5, the task was to curate the latest cybersecurity news. We selected and presented:

- **News Set 1**
- **News Set 2**

I focused more on **News Set 1**, researching news from reliable sources, summarizing them, and presenting them in a concise format. This task helped me stay updated with ongoing threats and trends in cybersecurity. I also improved my summarization and source-evaluation skills.



## Week 6 – Weekly Research One-Pager

We were assigned to prepare two research-based one-pagers. As a team, we selected the following topics:

- **Topic 1:** API Security
- **Topic 2:** End Point Detection & Response

I personally worked in-depth on **API Security**, focusing on simplifying complex technical ideas into a single-page summary. This task helped me enhance my ability to communicate technical concepts effectively and improved my understanding of API vulnerabilities and protections.



## Week 7 – Step-by-Step Tool Guide

This week's task involved preparing step-by-step guides for cybersecurity tools. The tools we selected were:

- **Tool 1:** VeraCrypt
- **Tool 2:** How to Secure Your Browsing with DNS-over-HTTPS (DoH)

I explored **VeraCrypt** in detail—installing, testing, and documenting the entire process in an easy-to-follow format. This task gave me hands-on experience with a security tool and taught me how to convert that experience into a clear instructional document. It boosted both my technical and documentation skills.



---



# Learnings & Insights

Over the course of this 7-week internship, I gained valuable exposure to a wide range of cybersecurity concepts, research techniques, and practical tools. Here's a reflection on the key skills and insights I developed:

- **Cybersecurity Concepts:**

I deepened my understanding of modern cybersecurity topics such as data privacy, API security, OSINT investigations, endpoint protection, and the real-world implications of AI-driven threats like deepfakes.

- **Research & Analysis:**

Through case studies, news curation, and one-pagers, I learned how to analyze incidents, extract meaningful patterns, and present them in structured, digestible formats.

- **Technical Writing & Communication:**

Tasks like blog writing, carousel design, and tool documentation improved my ability to explain complex technical ideas in a simplified and engaging way for a wider audience.

- **Hands-on Tool Experience:**

I gained practical exposure to tools like **Maigret** and **VeraCrypt**, as well as techniques like DNS-over-HTTPS (DoH), helping me understand their usage, configuration, and relevance in real-world cybersecurity.

- **Visual Communication & Design:**

Creating carousels and one-pagers strengthened my visual storytelling skills—making cybersecurity knowledge more accessible through clean, focused design and layout.

- **Collaborative Learning:**

Working in a team helped me learn from my peers, divide responsibilities efficiently, and contribute meaningfully while respecting diverse perspectives.

Overall, this internship expanded both my **technical foundation** and my **ability to communicate cybersecurity knowledge**, which I now feel more confident applying in real-world contexts.

---



## Self-Evaluation

Skill Area	Remarks
Technical Understanding	Improved hands-on experience with tools like Maigret and VeraCrypt, and by learning about key cybersecurity concepts such as OSINT, API security, and endpoint protection.
Writing and Communication	Gained strong confidence in simplifying technical content through blogs, carousels, and guides. Developed clear and concise writing skills for a broader audience.
Research & Analysis	Strengthened through in-depth work on case studies, one-pagers, and weekly news curation. Learned to evaluate sources and organize findings effectively.
Collaboration & teamwork	Learned to coordinate tasks, co-author content, and divide responsibilities efficiently while maintaining consistency and teamwork throughout the internship.

---

## Top 3 Takeaways

- I. **Hands-on experience with real tools enhances learning far more than theory alone.**  
Exploring tools like Maigret and VeraCrypt gave me practical insight into how cybersecurity works in the real world.
  - II. **The ability to simplify complex cybersecurity topics is just as important as understanding them.**  
Writing blogs, one-pagers, and guides taught me how to communicate technical concepts clearly and effectively.
  - III. **Collaboration brings fresh perspectives and strengthens outcomes.**  
Working in a team taught me the value of shared responsibility, communication, and learning from others' strengths.
- 

## Internship Feedback (for Google Meet Discussion)

This internship has been an incredibly enriching experience that helped me grow both technically and creatively. Each weekly task was thoughtfully designed to expose us to different aspects of cybersecurity—from research and writing to hands-on tool usage and visual content creation.

What I enjoyed the most was the **practical learning approach**, especially working with real-world tools and creating simplified content like one-pagers, blogs, and step-by-step guides. It not only boosted my confidence in the subject but also improved my communication and design skills.

The **weekly team meetings** were also valuable. By listening to other teams present their work, I got to learn about new tools, topics, and perspectives that I might not have explored on my own. It created a collaborative learning environment that extended beyond individual tasks.

---