

INTERNSHIP/ EMPLOYMENT REPORT
SUBMITTED TO
PROF.BHUMIKA NAKUM

INTERNSHIP AND PLACEMENT CELL
TO AWARD ADDITIONAL CREDITS

BACHELOR OF SCIENCE
(COMPUTER SCIENCE)

SEMESTER V
2025-2026

SUBMITTED BY
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B-258719

MULUND COLLEGE OF COMMERCE (AUTONOMOUS)
S.N. ROAD, MULUND (WEST), MUMBAI – 400080

OJT Undertaking

1.	Student Name	Chirantan Hemant Sawant
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<p>I confirm that I agree with the terms and conditions and the requirements of the OJT policy.</p> <p>Student's Signature</p>		
<p>I confirm that the student has attended the OJT orientation and he / she has met all the paperwork and process requirements to participate in the OJT programme and has received the approval from his / her mentor.</p> <p>Signature of the HoD / Coordinator / Mentor</p> <p>Date: _____</p>		

Week 1 Overview

The first week marked the official beginning of my internship at Digisukarsha Cybersecurity Pvt. Ltd. It was an insightful and engaging start to the journey, focusing primarily on foundational knowledge. We were welcomed through a formal orientation session, during which we were introduced to the company's mission, vision, structure of the internship, and our mentor, Mr. Shivam Mittal.

Sessions were conducted online via Microsoft Teams on two days:

- **July 15, 2025 (Saturday)**
Topic: *Cybersecurity as the Human Body & Introduction to Ethical Hacking*
Time: 8:00 PM – 11:00 PM IST
- **July 19, 2025 (Saturday)**
Topic: *Introduction to Threat Intelligence*
Time: 8:00 PM – 10:00 PM IST

The company adopts a learner-friendly approach, with a strong focus on real-world applicability, making it ideal for students transitioning into the cybersecurity domain. This week laid the theoretical groundwork for the more technical, hands-on sessions planned for the upcoming weeks.

Key Learnings

Day 1 – Cybersecurity as a Human Body & Introduction to Ethical Hacking

This session used a unique analogy comparing cybersecurity components to parts of the human body, which made abstract concepts easier to understand:

- **Firewall** = *Skin* – the first line of defense
- **Antivirus software** = *White blood cells* – detect and eliminate intrusions
- **Passwords** = *Fingerprints* – unique to every user
- **Servers** = *Brain/Heart* – vital systems keeping everything functional

We also learned about the **CIA Triad** – a fundamental principle in cybersecurity, consisting of:

- **Confidentiality** – ensuring data privacy
- **Integrity** – maintaining accuracy and trustworthiness of data
- **Availability** – ensuring authorized access when needed

The session also introduced **Ethical Hacking**—its purpose, scope, and legal boundaries—and classified hackers into categories:

- **White Hat Hackers:** Ethical professionals
- **Black Hat Hackers:** Malicious individuals
- **Grey Hat Hackers:** Operate in the legal gray zone

challenges Encountered

While the sessions were well-structured, several challenges emerged during Week 1:

1. In-depth Technical Understanding

Though I had basic familiarity with cyber threats, understanding them in detail—such as **phishing, malware, and DDoS attacks**—proved to be more complex. Grasping how they work in real-world scenarios required additional reading and slowing down the learning pace.

2. Cybersecurity Terminology

Terms like *packet sniffing*, *payloads*, *exploits*, and *port scanning* were new and used frequently. The fast-paced discussions occasionally left me confused, requiring me to independently research these concepts after sessions.

3. Time Management & Mental Fatigue

Balancing focus, self-study, and retention was mentally demanding. At times, revising everything in one go became overwhelming, which affected my concentration during sessions.

Goals for Week 2

To build on Week 1's foundation, my objectives for the second week are:

- Gain **hands-on experience** with basic cybersecurity tools such as **Wireshark**, **Nmap**, and **Burp Suite**
- Learn common **attack and defense strategies** used in cybersecurity
- Reinforce Week 1 concepts through review and practical application
- Study **real-world hacking cases** to understand how theory translates into practice
- Engage actively in discussions and ask clarifying questions to solidify learning

My primary goal is to become comfortable with using basic tools and terminologies, and develop confidence in applying core cybersecurity principles in real-world scenarios.

Intern's Signature:

Date:

Mentor's Signature:

Date:

Employer's Signature:

Date:

Student Diary (Log) Recording Format

Week	Task Assigned	Activities Performed	Key Learnings	Additional Remarks
1	Introduction to Cybersecurity Basics, Regular Quizzes	<ul style="list-style-type: none">- Attended daily lectures on cybersecurity fundamentals- Completed initial TryHackMe rooms- Participated in regular quizzes to test conceptual understanding	<ul style="list-style-type: none">- Understood basic cybersecurity concepts like threats, vulnerabilities, and penetration testing- Learned to use TryHackMe platform- Improved retention through quizzes	Good start to the internship; consistent learning and engagement helped build a strong foundation

Signature of Industry/organization Supervisor

Student Feedback of OJT

Student Name: Chirantan Hemant Sawant

Date: 06/08/2025

Industry/Organization Supervisor: Shivam Mittal

Title: Head of Department

Supervisor Email:

OJT is: Unpaid

Organization : Digisuraksha Parhari foundation

OJT Address : Online Internship (Virtual Mode)

Faculty Coordinator:

Department: Cybersecurity / Computer Science

OJT Dates : from 15/07/2025 to 15/09/2025

Sr. No.	This experience has	1 Poor	2 Average	3 Good	4 Very Good	5 Excellent
1.	Given me an opportunity to explore a career field					✓
2.	Allowed me to apply classroom theory to practice					✓
3.	Helped me develop my decision making and problem solving skills				✓	
4.	Expanded my knowledge about work world before permanent employment					✓
5.	Helped me develop my written and oral communication skills				✓	
6.	Provided a chance to use leadership skills (influence others, develop ideas with others, simulate decision making and action)				✓	
7.	Expanded my sensitivity to ethical implications of work involved				✓	
8.	Made is possible for me to be more confident in new situations					✓
9.	Given me a chance to improve my interpersonal skills				✓	
10.	Helped me learn to handle responsibility and manage my time wisely					✓
11.	Helped me discover ne aspects of myself that I did not know existed before				✓	
12.	Helped me develop new interests and abilities					✓
13.	Helped me clarify my career goals					✓
14.	Provided me with contacts which may lead to future employment			✓		

15.	Allowed me to acquire information and/or use equipment not available at my college				✓	
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- How well were you able to accomplish the initial goals, tasks and new skills that were set down in your learning contract? In what ways were you able to take a new direction or expand beyond your contract? Why were some goals not accomplished adequately?

The initial goals were clearly defined and aligned with practical cybersecurity concepts. I was able to successfully complete weekly tasks, daily quizzes, and lectures. I also expanded my knowledge through the final project and the CTF (Capture The Flag) exam, which went beyond the scope of the initial contract. All major objectives were completed adequately.

- In what areas did you most develop and improve?

I developed significantly in areas such as hands-on cybersecurity practices, CTF problem-solving, daily quiz solving, time management, and technical report writing. I also gained confidence in presenting and explaining technical topics.

- What has been the most significant accomplishment or satisfying moment of your OJT?

Completing the final project successfully and participating in the CTF exam was a major highlight. These activities tested real-world application of cybersecurity skills and made the learning very practical and fulfilling.

- What did you dislike about the OJT?

At times, the pace of daily quizzes and lectures felt slightly overwhelming, especially when combined with other academic commitments. Some technical sessions could have used more hands-on demonstration.

- Considering your overall experience, how would you rate this OJT? Satisfactory / Good / Excellent
☒ Excellent
- Give suggestions as to how your OJT experience could have been improved? (Could you have handled added responsibility? Would you like more discussions with your professor concerning your OJT? Was closer supervision needed? Was more orientation required?)
 - A slightly slower pace in delivering content or flexible deadlines for tasks would help.
 - More live Q&A or interactive doubt-solving sessions would enhance learning.
 - Orientation about the final project and CTF could be introduced earlier.
 - Regular feedback from mentors would support skill enhancement.

Signature of the Student