On-the-Job Training Report

Submitted in partial fulfillment of the
Requirements for the award of the Degree of

BACHELOR OF SCIENCE (COMPUTER SCIENCE/ INFORMATION TECHNOLOGY/ DATA SCIENCE/ COMPUTER APPLICATIONS)
BACHELOR OF COMPUTER APPLICATIONS

By

Ankita Laxman Kolapte
259657

SCHOOL OF COMPUTING & TECHNOLOGY
PARLE TILAK VIDYALAYA ASSOCIATION'S
MULUND COLLEGE OF COMMERCE (AUTONOMOUS)
(Affiliated to University of Mumbai)
MULUND – 400 080
MAHARASHTRA
YEAR (12 bold)

OJT Undertaking

1.	Student Name	Ankita Laxman Kolapte
2.	Roll No	259657
3.	Class	TYBSC-IT
4.	Address	Indira Nagar, Wagle Estate, Thane 400604
5.	Email Id	ankitakolapate2@gmail.com
6.	Mobile No	9930233779
7.	Aadhaar No	277274524089
8.	ABC ID	200165168692

I confirm that I agree with the terms and conditions and the requirements of the OJT policy.

Student's Signature

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.

Signature of the Coordinator / Mentor

Date:_____

Joining Letter of the Student

<<On College/Organization Letterhead>>

To
The (Designation of the person addressed)

_____

_____

Subject: Joining letter

Dear Sir / Madam,

Kindly refer to your letter/e-mail dated on the above-cited subject. As permitted by your good self the following students will undergo OJT/ Internship in your esteemed organization under your sole guidance and direction.

Sr. No.	Name	Roll No	Year	Department
1	Ankita Laxman Kolapte	259757	Third Year	BSC-IT

This training is an essential part of the curriculum, and the following guidelines have been prescribed in the curriculum for the training. You are, therefore, requested to please issue the following guidelines to the concerned OJT supervisor.

- Each student is required to prepare an OJT diary and report.
- Kindly check the OJT diary of the student on a timely manner.
- Issue instructions regarding working hours during training and maintenance of the attendance record

You are requested to evaluate the student's performance based on the below-mentioned parameters (we will provide you with the evaluation sheet):

- Completion of Hours
- Quality/Performance
- Punctuality/Regularity

The performance report may please be forwarded to the undersigned on completion of training in a sealed envelope or in an email. Your efforts in this regard will positively enhance the knowledge and practical skills of the students, your cooperation will be highly appreciated, and we shall feel obliged. The students will abide by the rules and regulations of the organization and will maintain proper discipline with keen interest during their OJT. The students will report to you on _____(date) along with a copy of this letter.

Yours sincerely,

 Internship Coordinator/HoD
<Department Name and Date>

Weekly Internship Report

Intern's Name: Ankita Laxman Kolapte

Internship Week: 1

Company/Organization Name: Digisuraksha Parhari Foundation

Mentor's Name: _____

Week Overview:

- **Week Overview:**During the first week of my internship, I focused on understanding the fundamentals of cybersecurity and setting up the working environment. I created a GitHub repository with a proper tree structure, researched and studied various cybersecurity tools, and developed Proof of Concept (PoC) demonstrations. I performed basic malware analysis, built a threat intelligence PoC, and implemented a homography detection tool. These activities helped me understand the practical applications of theoretical cybersecurity concepts.

- **Learning Outcomes:**

  o Learned GitHub basics and created a structured repository for project uploads.
  o Improved knowledge of Linux commands and terminal operations.
  o Understood the process of malware analysis and its importance in cybersecurity.
  o Learned about threat intelligence, data collection, and correlation for detecting potential threats.
  o Studied homograph attacks and created a detection tool as a PoC.
  o Gained insight into security frameworks and their role in real-world scenarios.

- **Challenges Faced:**
  o Initial difficulty in setting up GitHub and structuring the repository.
  o Understanding malware behavior required extra study and research of shared learning materials.
  o Needed time to familiarize myself with homography concepts and apply them in a working tool.
  o These challenges were overcome by consistent practice, online research, and guidance from mentors.

- **Goals for Next Week:**
  o Learn more advanced Linux commands, piping, and filtering techniques.
  o Explore OSINT directories and tools for information gathering.
  o Work on the Lab Project with teammates and start building the homography link generator tool.
  o Strengthen understanding of Burp Suite, Wireshark, and other penetration testing tools.

- **Mentor Feedback and Suggestions:**My mentor appreciated the timely completion of the PoC tasks and encouraged me to continue practicing Linux commands regularly. They suggested that I focus on improving my research skills and explore more cybersecurity frameworks to deepen my understanding.

- **Additional Notes:** This week helped me build a strong foundation for the rest of the internship. I got hands-on experience with GitHub, Linux, and cybersecurity concepts such as malware analysis and threat intelligence. The assignments were challenging but very informative, and I feel more confident in using cybersecurity tools. I am excited to apply this knowledge in upcoming weeks and work on more advanced projects.

- **Employer's Feedback:**
  (Weightage assigned by the employer based on performance and contributions during the week.)

Intern's Signature:

Date:

Mentor's Signature:

Date:

Employer's Signature:

Date:

Intern's Name: Ankita Laxman Kolapte

Internship Week: 2

Company/Organization Name: Digisuraksha Parhari Foundation

Mentor's Name: _____

Week Overview:

- **Week Overview:** During Week 2, I worked on collaborative and technical tasks that involved group-based learning and project execution. I participated in the Lab Project with my teammates and worked on developing the Homography Link Generator Tool, which generates links that visually resemble legitimate websites (e.g., YouTube.com). Additionally, I deepened my understanding of Linux commands, OSINT tools, and explored practical penetration testing tools such as Burp Suite and Wireshark.

- **Learning Outcomes:**
  o Strengthened Linux skills including piping, grep, and advanced commands.
  o Learned about OSINT (Open Source Intelligence) directories and how to use them for gathering data.
  o Practiced using Burp Suite for web application security testing and Wireshark for network packet analysis.
  o Understood how Homography-based phishing attacks work and developed a generator tool to create look-alike URLs.
  o Gained knowledge of car security vulnerabilities, CVEs, ECU communication, and OBD port exploitation concepts.
  o Learned about using tools like Flipper Zero for wireless testing and interception demonstrations.

- **Challenges Faced:**
  o Initially faced difficulty in generating accurate homograph links that bypassed basic detection filters.
  o Burp Suite configurations were tricky to set up for capturing all HTTP/HTTPS traffic.
  o Required additional research to understand automotive security concepts (car key interception, CVEs).
  o These challenges were addressed through group discussions, online research, and mentor guidance.
- **Goals for Next Week:**
  o Set up and configure a Network Intrusion Detection System (IDS).
  o Learn how to analyze network traffic logs effectively.
  o Explore bug hunting techniques and start learning about phishing toolkits like ZPhisher and CamPhish.
- **Mentor Feedback and Suggestions:** The mentor appreciated our teamwork on the Lab Project and highlighted the importance of documenting PoC steps clearly for future reference. They encouraged me to continue experimenting with Burp Suite and Wireshark to strengthen my web and network security analysis skills.

- **Additional Notes:** Week 2 provided more hands-on exposure to penetration testing and OSINT techniques. Working on the Homography Link Generator Tool was particularly interesting and gave me a deeper understanding of phishing attack vectors. The team collaboration during the Lab Project helped improve my communication and coordination skills.

- **Employer's Feedback:**
  (Weightage assigned by the employer based on performance and contributions during the week.)

Intern's Signature:

Date:

Mentor's Signature:

Date:

Employer's Signature:

Date:

Intern's Name: Ankita Laxman Kolapte

Internship Week: 3

Company/Organization Name: Digisuraksha Parhari Foundation

Mentor's Name: _____

Week Overview:

- **Week Overview:** In Week 3, my primary focus was on network security. I worked on setting up and configuring a Network Intrusion Detection System (IDS) to monitor suspicious network traffic and generate alerts. Along with that, I researched bug hunting methodologies and explored common penetration testing approaches. I also practiced phishing simulations using tools like ZPhisher and CamPhish to understand social engineering risks.

- **Learning Outcomes:**

  o Learned how to configure and test a Network IDS for detecting malicious activities.
  o Understood packet capture analysis and how IDS rules trigger alerts.
  o Researched bug bounty platforms and methodologies for finding vulnerabilities.
  o Explored phishing toolkits (ZPhisher, CamPhish) to learn about credential harvesting attacks.
  o Studied OWASP API Security Top 10 and its role in securing APIs.
  o Explored resources such as ransomware.live for threat updates and APISec University for API security learning.

- **Challenges Faced:**
  o IDS configuration required multiple iterations to properly detect test attacks.
  o Understanding phishing kit payloads and their working took extra time and mentor assistance.
  o Needed to spend time reading OWASP API documentation to fully grasp API attack vectors.
  o These issues were resolved by reading documentation, using community tutorials, and consulting with peers/mentors.

- **Goals for Next Week:**
  o Work on Network IPS configuration and testing. Build and test a Steganographic File Integrity Checker to detect hidden data manipulation.
  o Learn basics of Python scripting for automating security tasks.

- **Mentor Feedback and Suggestions:** The mentor encouraged me to experiment with more IDS rules and signatures to gain confidence in tuning detection systems. They also recommended participating in small Capture The Flag (CTF) challenges to strengthen practical problem-solving skills.

- **Additional Notes:** The mentor encouraged me to experiment with more IDS rules and signatures to gain confidence in tuning detection systems. They also recommended participating in small Capture The Flag (CTF) challenges to strengthen practical problem-solving skills.

- **Employer's Feedback:**
(Weightage assigned by the employer based on performance and contributions during the week.)

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				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Signature of Industry/Organization Supervisor

Attendance Sheet

<<Organization Letter Head>>

Name of the Student	
Roll No	
Name of the Programme	
Date of Commencement	
Date of Completion	

Month and Year

Week	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

- The attendance sheet should remain affixed to the Daily Training Diary. Do not remove or tear it off.

- Holidays should be marked in Red Ink in the attendance column. Absent should be marked as 'A' in Red Ink.

Name and Signature of OJT Supervisor (with date)

Proforma for OJT COMPLETION CERTIFICATE

The student should attach OJT completion certificate, duly signed by the industry/organization supervisor to his/her report. A representative format for the OJT completion certificate is as given below:

<div align="center"><<Organisation Letterhead>></div>

This is to certify that Ms. / Mr. _____ has successfully completed the On-Job-Training in _____ from _____ to _____

Authorised Signatory

Supervisor Evaluation of Intern

<Organization Letter Head>

Student Name: _____ Date: _____

Work Supervisor: _____ Title: _____

Organization: _____

Internship Address: _____

Dates of Internship: From _____ To _____

Please evaluate intern by indicating the frequency with which you observed the following behaviors:

Parameters	Needs Improvement	Satisfactory	Good	Excellent
Behaviors				
Performs in a dependable Manner				
Cooperates with co-workers and supervisors				
Shows interest in work				
Learns quickly				
Shows initiative				
Produces high quality work				
Accepts responsibility				
Accepts criticism				
Demonstrates organizational Skills				
Uses technical knowledge and Expertise				
Shows good judgment				
Demonstrates creativity/originality				
Analyzes problems effectively				

Is self-reliant				
Communicates well				
Writes effectively				
Has a professional attitude				
Gives a professional Appearance				
Is punctual				
Uses time effectively				

Overall performance of student intern (circle one):

(Needs improvement / Satisfactory / Good / Excellent)

Additional comments, if any:

Signature of Industry supervisor_____

HR Manager _____

Student Feedback of OJT

Student Name:＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿Date:＿＿＿＿＿＿＿＿＿＿＿

Industry/Organization Supervisor:＿＿＿＿＿＿＿＿＿＿＿＿＿Title:＿＿＿＿＿＿＿＿＿

Supervisor Email: ＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿OJT is:_Paid ＿＿＿＿Unpaid＿＿＿＿

Organization:＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿

OJT Address:＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿_

Faculty Coordinator:＿＿＿＿＿＿＿＿＿＿Department: ＿＿＿＿＿＿＿＿＿＿＿＿
OJT Dates from / to: ＿＿＿＿＿＿＿＿＿＿＿

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					

- 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?

  _____
  _____
  _____
  _____

- In what areas did you most develop and improve?

  _____
  _____
  _____
  _____

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

  _____
  _____
  _____
  _____

- What did you dislike about the OJT?

  _____
  _____
  _____
  _____

- Considering your overall experience, how would you rate this OJT? Satisfactory / Good / 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?)

  _____
  _____

_____

_____

Signature of the Student