



Internships Daily Diary(2025-26)

Department of Artificial Intelligence & Machine Learning

Program Code :AN5K

Name of the Student: Samruddhi Bhikaji chougule

Name of the Mentor (Faculty) : Mrs. P.M. Kumbhar

Name of the Mentor (Industry): Mr. Abhijit Gaikwad

Enrollment Number:

Week	Day & Date	Discussion Topics/Activity	Details of Work Allotted Till Next Session /Corrections Suggested/Faculty Remarks	Signature of Industry Mentor
Week 4	Mon, Date <u>23.06.25</u>	Display output variables, & user Input	Learnted print statements ,variables and uses in put handling	 
	Tue, Date <u>24.06.25</u>	Working with Data Types and Type-casting	Practiced data-types and typecasting with input values	
	Wed, Date <u>25.06.25</u>	Making Decision using conditional statement	Implemented conditional statement using if- elif - else	
	Thu, Date <u>26.06.25</u>	Automating task with for and while Loops	Explored loops & range () for repetitive tasks	
	Fri, Date <u>27.06.25</u>	Manipulating string and Lists in Python	Worked on string fun" & list operation	
	Sat, Date <u>28.06.25</u>	Creating and using Functions for Reusability	Created custom functions to reuse code effectively	



Sadguru Balumama Shikshan Prasarak Mandal's
K.P.PATIL INSTITUTE OF TECHNOLOGY

(DTE CODE : 6814) (MSBTE Code : 1661)

Approved by AICTE, DTE Mumbai & Govt. of Maharashtra, Affiliated to MSBTE Mumbai

Internships Daily Diary (2025-26)

Week No: 4

Day: Monday

Date: 23/06/25

Topic :- Print , Variables & user Input

Today, I worked on the "print()" function and learned how to display output in different formats using special characters like "\n" and arguments like "sep" and "end".

I also explored variables and how they can store different types of data. Python doesn't require declaring data types, which made it easy.

I understood type conversion. I wrote a program that takes name & age and prints a greeting message.

I am realizing how even small programs can be made more meaningful with input & also output.



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Internships Daily Diary (2025-26)

Week No: 4

Day: Tuesday

Date: 24.06.25

Topic : Working with Data Types
and Typecasting

on the second of this week
I dived deeper into data types
like integers, floats, strings & booleans.
and also how to convert one
data type to another.

It helped me understand
how Python handles data internally.
I also explored how to check
the data type using type().

I wrote a program that
takes two numbers from the user
and adds them after converting
to integers.

It made me think more
carefully about how user inputs
affect program logic.



Internships Daily Diary (2025-26)

Week No: 4

Day: Wednesday

Date: 25,06,25

Topic :- conditional statement

I dived into decision-making constructs like if, elif and else.

I also worked on loop structure such as for and while.

Through hands-on exercises, I built mini programs such as a number guessing game and a loops.

I learned how indentation plays a key role in Python's control flow.

I also realized how easy it is to make logical mistakes, but with practice and day runs, I improved.

This topic made me think logically and helped me build better problem-solving skills.



Internships Daily Diary (2025-26)

Week No: 4

Day: Thursday

Date: 26,06,25

Topic :- Loops

Today I explored loops concept. I dived into decision making in last one day.

I learned both "for" and "while" loops and used them in various programs like printing number patterns, calculating factorial, and generating multiplication tables.

I also used range () with different arguments to control the flow of loops.

I once created an infinite loop by mistake using "while", but that helped me understand the importance of code. I find loops really helpful in reducing repetitive code.



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Internships Daily Diary (2025-26)

Week No: 4

Day: Friday

Date: 27.06.25

Topic :- String and Lists

Today was all about string and lists. I learned different string functions like replace(), find(), lower(), and how to slice string.

I also worked with lists, using method like append(), remove(), sort(), and pop().

I tried creating a mini contact list program. I found negative indexing in string & lists tricky at first but got it right after practicing.

This are basic but very useful features that can be used in almost any program.



Internships Daily Diary (2025-26)

Week No: 4

Day: Saturday

Date: 28,06,25

Topic :- Functions

Today I learned how to define and use function. I created a few functions like checking if a number is even or odd, calculating the area of circle, and getting the user. I understood the difference betⁿ return value & print statement.

I also practiced calling function with and without arguments.

I really liked this topic because functions make the code reusable and organized