



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)

Department of Artificial Intelligence & Machine Learning

Program Code :AN5K

Name of the Student: Sumruddhi Bhikaji chougale

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

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

Enrollment Number: 23313500039

Week	Day & Date	Discussion Topics/Activity	Details of Work Allotted Till Next Session /Corrections Suggested/Faculty Remarks	Signature of Industry Mentor
Week 5	Mon, Date 20.6.25	Dictionaries and sets	Worked with key value pairs , unique data	
	Tue, Date	Tuple & its functions	Learned about immutable data structures	
	Wed, Date	File Handling	Read / write files using various modes	
	Thu, Date	Exception Handling	Managed errors using try-except blocks	
	Fri, Date	Object - oriented Programming	Created classes and organized with OOP	
	Sat, Date	Modules and Package	Revised code using modules and package	



Internships Daily Diary (2025-26)

Week No: 5

Day: Tuesday

Date: 1.7.25

Topic :- Tuples

I studied tuples today, which are like lists but immutable. I used them to store fixed data like coordinates and color codes. I also of performance and use cases. At one point, I tried changing a tuple value and got an error.

That helped me clearly understand that tuples cannot be modified. I practiced tuple unpacking, which I found quite useful.

Even though they are simple, tuples are very powerful when we want data to remain unchanged.



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Week No: 5

Day: Wednesday

Date: 27.2.25

Topic :- File Handling

Today I worked with reading and writing files in Python. I learned how to open a file in different modes like r, w, a, and r+. I wrote a small program that saves user feedback to a text file.

I also learned how to read content line by line. I accidentally gave a wrong path once and got a "file not found" error, but I later understood how to handle such issues. I now understand how file handling is useful for real-world applications like saving records or logs.



Internships Daily Diary (2025-26)

Week No: 5

Day: Thursday

Date: 3.7.25

Topic : Exception Handling

Today I focused on handling errors using try, except, and finally blocks. I wrote programs to handle division by zero and incorrect user inputs. I also used the else block for code that runs when there's no error.

Exception handling helps make the program more user-friendly and prevents it from crashing. I understood the value of writing secure code.

I'll try to use exception handling more often in my future projects.



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Internships Daily Diary (2025-26)

Week No: 5

Day: Friday

Date: 4.7.25

Topic :- object-oriented Programming

Today I got introduced to OOP concepts in Python. I created class Student with attributes like name and age, and wrote methods to display details.

I learned about the self parameter and how it refers to the current object. It was a bit confusing at first, but I understood it after a few examples. I also learned how OOPS help in organizing complex program better. I feel that once I master OOP, I'll be able to build more advanced and modular applications.



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Internships Daily Diary (2025-26)

Week No: 5

Day: Saturday

Date: 5.7.25

Topic :- Modules and Packages

I learned how to use built-in modules like math and random, and even created a custom module of my own. I wrote separate Python files and imported them into my main program. It was exciting to see how code can be reused using module.

I also learned how to structure folders into packages, though I'll need more practice with it.

This topic helped me understand how big projects are managed in real life.