



**COMPUTER ENGINEERING DEPARTMENT - A.Y. 2025-26, EVEN TERM - INTERNSHIP (202000801)**

**DAILY DIARY FOR STUDENT DOING OFFLINE INTERNSHIP**

<b>Student's Enrollment No</b>	:	12202040701013
<b>Student's Name</b>	:	PATEL ANSH KULDIPKUMAR
<b>Name of Industry Mentor</b>	:	MR. HIREN MODHA
<b>Designation of Industry Mentor :</b>		MASTER TRAINER
<b>Name &amp; City of Industry</b>	:	CODE UNNATI EDUNET FOUNDATION, ANAND-3883001
<b>Date of Internship</b>	:	<b>From: 22-12-2026 To: 11-04-2026</b>

**WEEK - 1 (STARTING DATE: 22-12-2025 , ENDING DATE: 27-12-2025)**

<b>Day</b>	<b>Date</b>	<b>Time of Arrival</b>	<b>Time of Departure</b>	<b>Activities performed by Student</b>	<b>Remarks by Industry Mentor</b>
1	22/12/2025	10:00AM	12:00PM	<b>Python Foundations</b> <ul style="list-style-type: none"> <li>• What is Python, uses</li> <li>• Installing Python,</li> </ul>	
2	23/12/2025	10:00AM	12:00PM	<b>Python Foundations</b> <ul style="list-style-type: none"> <li>• Syntax, indentation</li> <li>• Variables &amp; data types</li> </ul>	
3	24/12/2025	10:00AM	12:00PM	<b>Python Foundations</b> <ul style="list-style-type: none"> <li>• Input / Output</li> </ul>	
4	25/12/2025	10:00AM	12:00PM	<b>Operators &amp; Control Flow</b> <ul style="list-style-type: none"> <li>• Arithmetic, relational, logical operators</li> </ul>	
5	26/12/2025	10:00AM	12:00PM	<b>Operators &amp; Control Flow</b> <ul style="list-style-type: none"> <li>• if, elif, else</li> <li>• Nested conditions Strings &amp; Lists</li> </ul>	
6	27/12/2025	10:00AM	12:00PM	<b>Loops</b> <ul style="list-style-type: none"> <li>• for loop</li> <li>• while loop</li> </ul>	

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WEEK - 2 (STARTING DATE: 29-12-2025 , ENDING DATE: 03-01-2026)					
Day	Date	Time of Arrival	Time of Departure	Activities performed by Student	Remarks by Industry Mentor
1	29/12/2025	10:00AM	12:00PM	<b>Loops</b> <ul style="list-style-type: none"><li>• break, continue, pass</li><li>• Range function</li></ul>	
2	30/12/2025	10:00AM	12:00PM	<b>Functions</b> <ul style="list-style-type: none"><li>• Function definition &amp; calling</li><li>• Parameters &amp; return</li></ul>	
3	31/12/2025	10:00AM	12:00PM	<b>Functions</b> <ul style="list-style-type: none"><li>• Default arguments</li><li>• Recursion (basic idea)</li></ul>	
4	01/01/2026	10:00AM	12:00PM	<b>Strings</b> <ul style="list-style-type: none"><li>• Indexing, slicing</li><li>• Common methods (lower, split, replace)</li></ul>	
5	02/01/2026	10:00AM	12:00PM	<b>Lists</b> <ul style="list-style-type: none"><li>• Creation, traversal</li><li>• Append, insert, pop</li></ul>	
6	03/01/2026	10:00AM	12:00PM	<b>Tuples, Sets &amp; Dictionaries</b> <ul style="list-style-type: none"><li>• Tuple (immutable)</li><li>• Set (unique elements)</li><li>• Dictionary (key-value pairs)</li></ul>	

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**WEEK - 3 (STARTING DATE: 05-01-2026 , ENDING DATE: 10-01-2026)**

Day	Date	Time of Arrival	Time of Departure	Activities performed by Student	Remarks by Industry Mentor
1	05/01/2026	10:00AM	12:00PM	<b>Arrays &amp; Time Complexity</b> <ul style="list-style-type: none"><li>• Array vs List (concept)</li><li>• Time complexity basics</li><li>• Big-O notation</li></ul>	
2	06/01/2026	10:00AM	12:00PM	<b>Stack</b> <ul style="list-style-type: none"><li>• Stack concept (LIFO)</li><li>• Operations: push, pop, peek</li><li>• Stack using list</li></ul>	
3	07/01/2026	10:00AM	12:00PM	<b>Queue</b> <ul style="list-style-type: none"><li>• Queue concept (FIFO)</li><li>• Queue using list</li><li>• Circular queue (theory)</li></ul>	
4	08/01/2026	10:00AM	12:00PM	<b>Linked List</b> <ul style="list-style-type: none"><li>• Why linked list?</li><li>• Node structure</li><li>• Singly Linked List<ul style="list-style-type: none"><li>◦ Insert</li><li>◦ Delete</li><li>◦ Traverse</li></ul></li></ul>	
5	09/01/2026	10:00AM	12:00PM	<b>Trees (Basics)</b> <ul style="list-style-type: none"><li>• Tree terminology</li><li>• Binary Tree</li><li>• Binary Search Tree (BST)</li><li>• Inorder, Preorder, Postorder</li></ul>	
6	10/01/2026	10:00AM	12:00PM	<b>Revision</b> <ul style="list-style-type: none"><li>• Revise all topics</li><li>• Mix Python + DS problems</li></ul> <b>Mini tasks:</b> <ul style="list-style-type: none"><li>• Stack + Queue problems</li><li>• Dictionary-based problems</li></ul>	

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WEEK - 4 (STARTING DATE: 12-01-2026 , ENDING DATE: 17-01-2026)					
Day	Date	Time of Arrival	Time of Departure	Activities performed by Student	Remarks by Industry Mentor
1	12/01/2026	10:00AM	12:00PM	Portal Registration – Code Unnati	
2	16/01/2026	10:00AM	12:00PM	<u>Advanced Competitive Coding</u> • Advanced Graph Algorithms Dijkstra, Bellman-Ford	
3	17/01/2026	10:00AM	12:00PM	<u>Advanced Competitive Coding</u> • Advanced Graph Algorithms Dijkstra, Bellman-Ford	

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WEEK - 5 (STARTING DATE: 19-01-2026 , ENDING DATE: 24-01-2026)					
Day	Date	Time of Arrival	Time of Departure	Activities performed by Student	Remarks by Industry Mentor
1	19/01/2026	10:00AM	12:00PM	<u>Advanced Competitive Coding</u> <u>Dynamic Programming :</u> <ul style="list-style-type: none"><li>• Floyd-Warshall</li><li>• Segment Trees</li></ul>	
2	21/01/2026	10:00AM	12:00PM	<u>Advanced Competitive Coding</u> <u>Dynamic Programming :</u> <ul style="list-style-type: none"><li>• Floyd-Warshall</li><li>• Segment Trees</li></ul>	
3	23/01/2026	10:00AM	12:00PM	<u>Advanced Competitive Coding</u> <u>Dynamic Programming :</u> <ul style="list-style-type: none"><li>• Floyd-Warshall</li><li>• Segment Trees</li></ul>	

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<b>WEEK - 6 (STARTING DATE: 26-01-2026 , ENDING DATE: 31-01-2026)</b>					
<b>Day</b>	<b>Date</b>	<b>Time of Arrival</b>	<b>Time of Departure</b>	<b>Activities performed by Student</b>	<b>Remarks by Industry Mentor</b>
1	27/01/2026	10:00AM	4:00PM	<ul style="list-style-type: none"><li>• Introduction &amp; Orientation</li><li>• Self-awareness &amp; Goal setting</li><li>• Resume Writing</li><li>• Approach to Problem-solving</li></ul>	
2	28/01/2026	10:00AM	4:00PM	<ul style="list-style-type: none"><li>• Resume Writing &amp; LinkedIn profiling</li><li>• Interpersonal Skills</li></ul>	
3	29/01/2026	10:00AM	4:00PM	<ul style="list-style-type: none"><li>• Interview Skills</li><li>• Presentation Skills</li><li>• E-mail etiquette &amp; Employability Tests</li></ul>	
4	30/01/2026	9:30AM	11:00PM	<ul style="list-style-type: none"><li>• Fenwick Trees</li></ul>	
5	31/01/2026	10:00AM	12:00PM	<ul style="list-style-type: none"><li>• Bitmasking</li></ul>	

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