



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

DAILY DIARY FOR STUDENT DOING OFFLINE INTERNSHIP

Student's Enrollment No	:	12202040701044
Student's Name	:	PATEL HARSH VINODKUMAR
Name of Industry Mentor	:	MR. HIREN MODHA
Designation of Industry Mentor :		MASTER TRAINER
Name & City of Industry	:	CODE UNNATI EDUNET FOUNDATION, ANAND-3883001
Date of Internship	:	From: 22-12-2026 To: 11-04-2026

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

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

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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	Loops <ul style="list-style-type: none">• break, continue, pass• Range function	
2	30/12/2025	10:00AM	12:00PM	Functions <ul style="list-style-type: none">• Function definition & calling• Parameters & return	
3	31/12/2025	10:00AM	12:00PM	Functions <ul style="list-style-type: none">• Default arguments• Recursion (basic idea)	
4	01/01/2026	10:00AM	12:00PM	Strings <ul style="list-style-type: none">• Indexing, slicing• Common methods (lower, split, replace)	
5	02/01/2026	10:00AM	12:00PM	Lists <ul style="list-style-type: none">• Creation, traversal• Append, insert, pop	
6	03/01/2026	10:00AM	12:00PM	Tuples, Sets & Dictionaries <ul style="list-style-type: none">• Tuple (immutable)• Set (unique elements)• Dictionary (key-value pairs)	

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

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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">• Floyd-Warshall• Segment Trees	
2	21/01/2026	10:00AM	12:00PM	<u>Advanced Competitive Coding</u> <u>Dynamic Programming :</u> <ul style="list-style-type: none">• Floyd-Warshall• Segment Trees	
3	23/01/2026	10:00AM	12:00PM	<u>Advanced Competitive Coding</u> <u>Dynamic Programming :</u> <ul style="list-style-type: none">• Floyd-Warshall• Segment Trees	

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

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