

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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(Industry Mentor)

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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> <ul style="list-style-type: none"> Advanced Graph Algorithms Dijkstra, Bellman-Ford 	
3	17/01/2026	10:00AM	12:00PM	<u>Advanced Competitive Coding</u> <ul style="list-style-type: none"> Advanced Graph Algorithms Dijkstra, Bellman-Ford 	

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DAILY DIARY FOR STUDENT DOING INTERNSHIP

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