STUDENT PORTFOLIO

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Department: CINTEL

Year / Sem/ Section: 2/3/AI-B

Subject Title: 21CSC201J Data Structures and Algorithms

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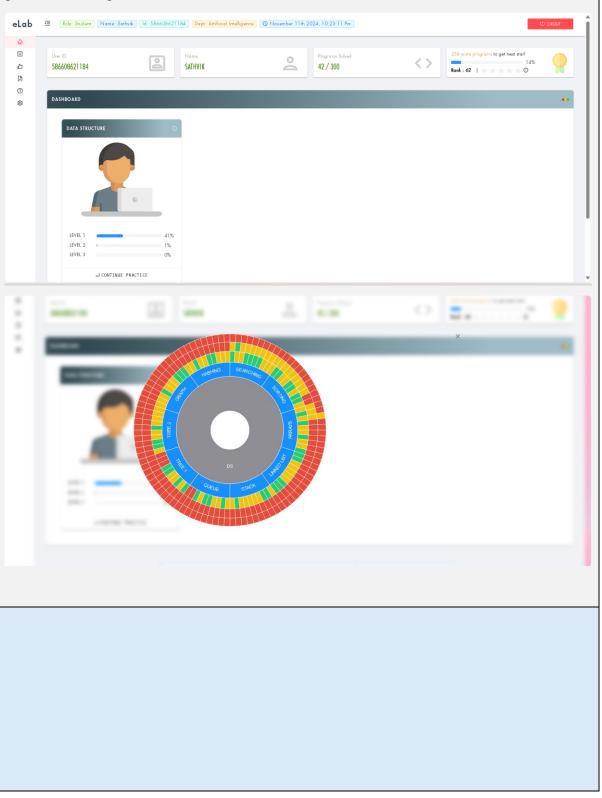
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dium=android_app

GitHub: github.com/

ELab Completion Status

I have attempted all the types of questions from all the types of levels and have faced a lot of errors in the medium and hard level but have still implemented few codes with errors and gained knowledge.



Lab Experiment Completion status

I have executed all the programs in the above topics in the DSA lab and have succesfully retreived the output and verified them with the lab incharge for the past 8 weeks consecutively

	PYNENT SATHUTK	-	A23110	SUB TOTAL (DTAL
EXP.NO). TITLE	BASIC	MODULARIT Y (2.5)	READABILIT Y (2.5)	VALIDATION (2)	SCALABILITY (1)	VIVA (10)	(20 Marks)
CATTLE	The same of the sa	(2)	-		2	1	8	18
1	write a cropramto de play	-2	2.5	2.5	2	1	8	18
2	writer chrogram to display	2	2.5	2.5			19	19
3	write a cfrogram to multiple matrices using DMA	2	2.5	2.5	2	+-	8	18
4	Tolim Nement 11st ADTURNS	2	2.5	2.5	2	1	-	12
5	Implement Linked List	2	2.5	2.5	. 2	1	8	10
6	Implement abuldadia (callist	2	2.5	2.5	- 2		9	-
7	Stack implementation using	2	2.5	2.5	2	1	-	10
8	Stack implementation using through and linked line a using the property and linked list	2	2.5	2.5	2	1	19	13
9	7-7-7-7						+	
10							+	
11							-	
12								
13	A CONTRACTOR OF THE PARTY OF							
-								
14					1			

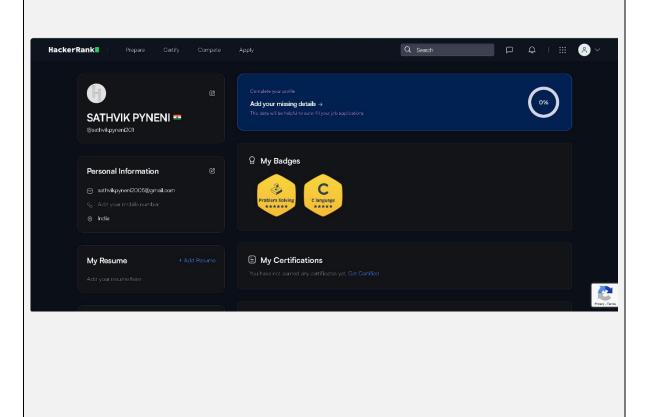
SOLVED REAL WORLD PROBLEM / CONCEPTUAL TASK

This project focuses on effective event scheduling and conflict detection using advanced data structures and algorithms. Emphasizing productivity and time management, it includes data structures like arrays, linked lists, and binary trees for efficient event representation, along with conflict detection algorithms such as brute force, interval trees, and sweeping line

methods. Implemented in C, the system features a user-friendly interface, automatic conflict checking, and customizable scheduling constraints. Future directions propose integration with calendar services, mobile support, and AI-driven recommendations for enhanced, streamlined scheduling.
https://docs.google.com/presentation/d/11kyEI6W-swH7HNdpVSziFCjB-KYVs1NQ/edit?usp=sharing&ouid=101642378649941383047&rtpof=true&sd=true

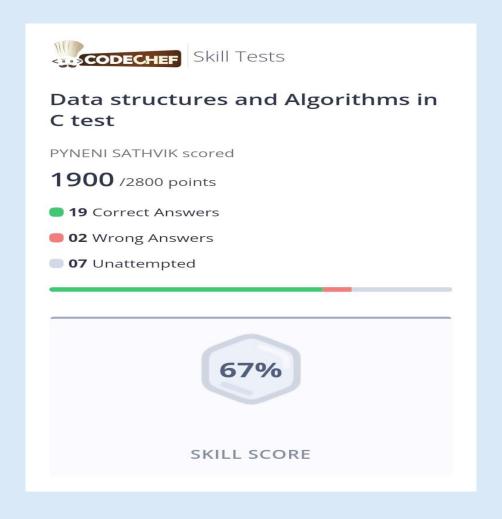
NPTEL/HOTS QUESTIONS SOLUTION

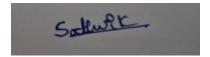
I have attempted Hots questions from hackerrank website in many different levels for the past few weeks in various topics like trees and in various different levels like easy, medium, hard.



CODING COMPETITIONS

Any notable rankings or achievements in coding contests (e.g., LeetCode, CodeChef, HackerRank, Codeforces, ICPC)





Signature of the Student