Sudhir Pal

Final Year B.Tech
Department of Computer Science And Engineering
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EDUCATION

Indian Institute of Information Technology, Nagpur	*2017 - 2021**
B.Tech in Computer Science And Engineering; CGPA: (7.12/10)	
High School	*2016*
Senior Secondary (CBSE)	
Secondary School	*2014*
Secondary (CBSE); GPA: (10/10))	

AREAS OF INTERESTS

Competitive Programming,Algorithms, Data Structures, Android development, Software Engineering, Software Development

SELECTED PROJECTS

Weather App : Created a Asynchronous Node.js weather app using Open Weather Map API for Android and Web Application.

Quizzler: This was the basic quiz app which will tell the score of the user based on correct answer given by the user.

Notes App : This is created using Nodejs,where user can edit and save notes.

Flash chat App : This Android based App is used for real time chatting on multiple Android devices by using google Firebase.

To-do List App with Node.js and MongoDB : This App is used for maintaining todo list of the user.

Dynamic memory allocator : Implemented a dynamic memory allocator for C (64 bit systems) using heap's virtual address space.Used segregated free lists to maximize throughput and utilization.

Pet App : This app displays a list of pets and their related data that the user inputs ,I Made this project using concept of database in android.

Tic-tac-toe : This is classical noughts and crosses Android game App for two players.

TECHNICAL SKILLS

Programming Languages: JavaScript,C,C++, Python, java and Basic Understanding: HTML, CSS, MySQL,MATLAB,Nodejs
software Platforms: Android Studio
Database: SQL.
Platforms: Linux,Windows
Coding Skills: Regularly doing Competitive Programming Contests on Codechef , Codeforces and Leetcode

ACHIEVEMENTS

- 4-Star Coder at Codechef (https://www.codechef.com/users/sudhir1998pal)

- successfully completed Online 1(B) Round of Global Programming Competition,SnackDown 2019.

- Codechef:October Lunchtime 2019 Division 2 Global Rank:177

- Codeforces(specialist)(solved 520+ problems)

- 5 Star problem solving(Hackerrank)

- Google kick start Round C 2020 (Rank 3532/13700), Qualified Google code jam 2020

- Leetcode rating (1522), solved 460+ problems

RELEVANT COURSE WORK (TILL JULY 2020)

Computer Programming,
Mathematics I (Series and Surface Integrals), Mathematics II (Calculus),
Discrete Mathematics, Data Structures, Computer Organization, IT Workshop 1: Computer Systems and Environment, IT workshop 2: Scripting,
IT Workshop 3:python,
Operating Systems, Digital electronic , Design and Analysis of Algorithms,
Mechanics and Graphics,
Principles of Programming Languages,Microprocessor(8085,8086),Theory Of computation,
Computer Networks,Database Management Systems and Soft Computing.
(Ongoing) Distributed systems,Compiler design,Cryptography and Network security,Mathematics in data sciences

EXTRA CURRICULAR ACTIVITIES

Question setter for coding event in Tantra fiesta 2018

Tantra Fiesta(Technical Fest) Representative.

Reading books and cycling.

MOTO : NEVER GIVE UP