Ramdev Godara

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Indian Institute of
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EDUCATION

Indian Institute of Information Technology, Nagpur *2017 - 2021**
B.Tech in Computer Science and Engineering (GPA: 7.1)

Delhi Public School,Bikaner *2016*
Senior Secondary (CBSE)(92.66 in PCM)

Delhi Public School,Bikaner *2014*
Secondary (CBSE)(GPA: 10.0)

INTERNSHIPS

Intern Technical Content Writer - geeksforgeeks.org June 2020 - Present
Remote

- Write and Publish 30+ technical articles based on Data Structures,Algorithms and Operating Systems.
- Conducted extensive research on the internet to optimize time and space complexity of existing articles.

SELECTED PROJECTS

Garbage Collector For C : Simple Mark and Sweep Garbage collector is implemented for a 32-Bit architecture.The GC -Malloc allocates the Dynamic Memory using the Malloc call and adding the additional list which are Used List and Free List for keep tracking the status of the Memory.Scanning of the Heap is done by getting the stack address and also root sets.

Tap Search : A simple search engine was build. The paragraph of the text considered as documents and the words were hashed and stored in DB.A simple UI to search the word which is most frequent in a document and it was returned to user.(python+flask).

File Transfer Protocol:This was our group project of implementing the FTP over two host.We have used Python and OS library for converting any file into streams of bytes and then sending it to the other host via TCP/IP connection.

Process Scheduling:Implemented different process scheduling algorithms using C++ and concepts of operating systems. The scheduler implemented are Shortest Job First,Priority and Round Robin Scheduling.

Random Forest Implementation for Weather Prediction:In addition to the decision tree for a set of data predicting the weather the concept of random forest was used and implemented without using any external library.

Child Respiratory Disease: Collected the Data of FEV index (forced respiratory volume)Vs various dependent variable such as Age,Height and Smoker/Non-smoker and applied the different Multiple Regression Techniques to predict that whether smoking causes less FEV index.

TECHNICAL SKILLS

Programming Languages: C, C++, Java, Python
Tools and Frameworks: SpringBoot,NodeJS,Flask,Django,Anaconda
Database: SQL,MongoDB.
Platforms: Linux,Windows

CODING SKILLS

Codechef Rating(1846): 4 star.

HackerRank:5 star.(Algorithms and Problem Solving)

Secured under 100 global rank in various online coding contest.

Participated in more than 50 online contest and solved 350+ problems.

Coordinator at Coding Club at IIITN.

COURSEWORK

Academic Courses :
Java,C++,Data Structures and Algorithms,Design and Analysis of Algorithms,Principle of Programming Languages, Computer Networks,Operating System,Theory of Computation,Soft Computing,DBMS,Microprocessor,Statistics and Probability,Compilers.

AREAS OF INTERESTS

Software Development,Software Engineering.

Data Structures and Algorithms.

Competitive Programming,Problem Solving.

Algorithm Optimization.

Probability and Statistics.