Sarthak Shukla

Second Year Undergraduate
Department of Computer Science and Engineering
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Indian Institute of
Information Technology, Nagpur

EDUCATION

Indian Institute of Information Technology, Nagpur *2018 - 2022**
B.Tech in Computer Science and Engineering (CGPA:9.45/10)

Mother Teresa Mission Higher Secondary School, Kanpur *2016-2018*
Senior Secondary (95.7%)

Mother Teresa Mission Higher Secondary School, Kanpur *2014-2016*
Secondary (96.2%)

PROJECTS UNDERTAKEN

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.

Linux Mini Terminal : A Linux terminal implemented in C programming language using concepts of fork, exec, signals, pipes etc.Different kinds of interrupts were also handled.

Online Shopping Management System : An Online Shopping Management system implemented using concepts of OOPs and file handling for storing data in C++.

Data Management System : A student record data management system implemented using AVL trees and Linked Lists and file handling for storing data in C.

TECHNICAL SKILLS

Programming Languages:
Day to day: C, C++, Java
Familiar: HTML, CSS, Python
Tools and Frameworks: Django, GIT, Vim, LaTeX
Platform: Linux, Windows

COURSEWORK

Computer Programming, Data Structures, Advanced Data Structures, Discrete Mathematics*, Computer System Organization, Object Oriented Programming, Application Programming, Design and Analysis of Algorithms*, Operating System*, Software Engineering*.
* means currently pursuying.

RELEVANT INTERESTS

Algorithms, Data Structures, Programming Contests, Solving questions

Software Engineering, Software Development

ACHIEVEMENTS

Four star (1892 rating) on Codechef, among top 4.65% in world.

Tester and Setter in Codechef programming contest.

Teaching Assisstant in December 2019 to mentor freshers in competitive programming.

Ranked 3rd in college in Inter-IIIT Coding Competition by IIIT Una.

Ranked 13th in NJACK Winter of Code.

Won 1st prize in Coding Competition organised by our college.

CAMPUS ACTIVITIES

Head Convener of Programming Community at IIIT Nagpur dotslash Community.

Volunteered as coordinator Abhivyakti, cultural fest, held in college.

Active participation on online competitive coding websites - CodeChef, Codeforces, Atcoder

LINKS

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