

# Sarthak Shukla

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

## EDUCATION

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<b>Indian Institute of Information Technology, Nagpur</b> B.Tech in Computer Science and Engineering (CGPA:9.45/10)	<i>2018 - 2022*</i>
<b>Mother Teresa Mission Higher Secondary School, Kanpur</b> Senior Secondary (95.7%)	<i>2016-2018</i>
<b>Mother Teresa Mission Higher Secondary School, Kanpur</b> Secondary (96.2%)	<i>2014-2016</i>

## EXPERIENCE

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<b>NJACK WINTER OF CODE</b>	Dec 2019 - Jan 2020
Participated in NJACK Winter of Code organised by Indian Institute of Technology, Patna on the lines of Google Summer of Code. Contributed to projects like <b>nwoc-algorithms</b> , <b>learn-for-free</b> .	

## INTERESTS

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Data Structures, Algorithms, Problem Solving, Competitive Programming, Software Development.

## SPORT PROGRAMMING

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Codechef: [sarthak\\_eddy](#)  
Codeforces: [sarthak\\_eddy](#)  
Atcoder: [sarthak\\_eddy](#)

## PROJECTS UNDERTAKEN

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**Codeforces Profile Viewer** : A Profile Viewer in Python which displays basic information of user, rating changes of user in a particular contest, excel file for user's contest history. For fetching data Codeforces API is used in JSON.

**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.

**Music Player** : A django based music player app, which provides functionality of upload, store and play music by storing on cloud.

**DotSlash Community Website**: Designed the dotslash community website, where the first year student had the option to practice the questions, discuss any doubts and details about the contest conduct by community.

**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

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**Programming Languages:**

Day to day: C, C++, Java

Familiar: Python

**Web Tech:** HTML, CSS

**Tools and Frameworks:** Django, GIT, Vim, L<sup>A</sup>T<sub>E</sub>X

**Platform:** Linux, Windows

## COURSEWORK

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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 pursuing.

## ACHIEVEMENTS

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Four star (1983 rating) on Codechef.

Tester and Setter in Codechef programming contest.

Teaching Assistant 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.

## EXTRA CURRICULAR ACTIVITIES

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Co Secretary and Educator of Programming Community at IIIT Nagpur "dotslash Community".

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

## PROFILE LINKS

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