

# SARTHAK SHUKLA

## Indian Institute of Information Technology, Nagpur

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📍 Kanpur, Uttar Pradesh - India

## EXPERIENCE

### Problem Setter Intern

#### PrepBytes

📅 Jan 2021 – Now

📍 Remote

- Curating problems for company's online judge and helping them in managing online contests.
- Gaining experience in problem solving and management.

### Technical Content Writer

#### GeeksforGeeks

📅 May 2020 - July 2020

📍 Remote

- Published and improved technical articles on STL, data structures, algorithms, operating system and programming languages. **Articles.**
- Learnt new concepts and algorithms while writing.

### Teaching Assistant

#### IIIT Nagpur

📅 Dec 2019 - Jan 2020

📍 Nagpur, India

- Mentored freshers in competitive programming and online judge.
- Conducted workshops to explain the concepts and approaches to solve contest problems with 60+ students.

## PROJECTS

### Get Connected

- Developed a webapp called Get-Connected using NodeJS, Express and MongoDB. It allows multiple users to join the chat room. Messages sent are mapped in the database along with username and visible to all users whenever they login. App updates all users whenever any user logs in or logs out. Code Link: [code](#)

### Ask Quiz

- Developed a web app called Ask-Quiz, a quiz app, using the Django framework and sqlite3. It has score and correct answers feature visible after quiz is submitted. Implemented linear search through webpage to calculate score of user. Code Link: [code](#)

### P2P Share File

- Developed an application layer peer to peer file sharing system in Python using sockets, multi-threading and os library with support for TCP. It has feature like upload, download and file search. Code Link: [code](#)

### Ping Pong Game

- Developed a web app called Ping-Pong-Game using JavaScript. It is a two player game with features like score, lives and winner of the game. Code Link: [code](#)

## ACHIEVEMENTS

- **Co-secretary** of Programming Community of IIIT Nagpur, "**dotslash Community**".
- Secured **67th** (>15000 participants) position in January Long Challenge Codechef.
- Secured **666th** (16219 participants) position in Codeforces Round 693 (Div. 3).
- Secured **1st** position in coding competition organised by our college.
- Problem Setter, Tester and Editorialist in Codechef programming contest organised by our programming community, "Fall for Code". List of problems.
- Ranked **3rd** in college in Inter-IIIT Coding Competition by IIIT Una.
- Ranked **13th** in NJACK Winter of Code 2019.

## EDUCATION

B.Tech. (CSE) - 9.26 CGPA

Indian Institute of Information Technology, Nagpur

📅 July 2018 – June 2022

## PROFILE LINKS

Github:// [sarthakeddy](#)

LinkedIn:// [sarthakeddy](#)

Codechef:// [sarthak\\_eddy](#)

Codeforces:// [sarthak\\_eddy](#)

Atcoder:// [sarthak\\_eddy](#)

Portfolio:// [sarthak\\_eddy](#)

## COURSEWORK

Design and Analysis of Algorithms

Data Structures

Operating Systems

Object Oriented Programming

Linux Programming

Computer Architecture

Database Management Systems

Computer Networks

Discrete Mathematics

## TECHNICAL SKILLS

### Programming

- **Day to Day:** C, C++, Python3
- **Intermediate:** Java
- **Familiar:** JavaScript, Shell

### Web Technologies

- HTML, CSS, Django, Node-JS, Express, Discord.py

### Database

- MySQL, MongoDB

### Operating System

- Linux, Windows

## INTEREST

- Sport Programming
- Software Development
- Machine Learning
- Music
- Football
- Movies