

SAURABH YADAV

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EXPERIENCE

Problem Setter Intern

PrepBytes

October 2020 – November 2020

- Formulating Problems for Rated contests of PrepBytes including Marathon, PrimeTime etc.
- Coordinating External Rated Contests which includes approving problems, finding better alternate solutions, validating constraints and test cases, testing for correctness, resolving queries, etc.
- Technology used - C, C++, Latex.

Technical Content Writer

GeeksforGeeks

April 2020 – June 2020

- Published 27 articles on Data Structure and Algorithms.
- Technology used - C++, C, Python, Latex.

Problem Setter Intern

Codechef

June 2019 – March 2020

- Problem Setter for Codechef's rated contests.
- Problems based on Data Structures and Algorithm, maths, greedy and implementation were set by me.
- The list of problems set by me can be found [here](#).

Teaching Assistant

IIIT Nagpur

Dec 2019 – Jan 2020 Nagpur, India

- **Competitive Programming:** Mentored freshers in developing competitive coding skills.
- **Data Structures & Algorithms:** Basic Data structures and algorithms were taught.

ACHIEVEMENTS

- Ranked 202th, ACM-ICPC Amritapuri Regionals 2019.
- Ranked 1st, Inter-IIIT Coding Contest organized by IIIT Una.
- Ranked 11th, NJACK Winter of Code organized by IIT Patna.
- Ranked 41st, Hackerearth Data Structures and Algorithms Coding Contest.
- Top 100, Hackerearth Problem Setter Challenge.

EDUCATION

Bachelor of Technology, CSE

Indian Institute of Information Technology Nagpur

Aug 2018 – May 2022

TECHNICAL SKILLS

Programming

C, C++, Java, Python

Sport Programming

Codechef - 2063 (5 star)

Codeforces - 1617 (Expert)

Databases

MySQL, PostgreSQL

Web-Development

CSS, HTML, JavaScript, ReactJs, Django, BootsTrap

PROJECTS

Attendance System

- Used Face-Recognition to automatically detect face and mark attendance from camera video stream.
- Dashboard for managing attendance.
- Technologies used: Python | Open-CV.

Codechef Contest Arena

- The app is designed to simulate Codechef's past contest. Functionalities like Login using CodeChef API OAuth2, select any past contest, Rank list, etc were implemented.
- Technology used: React, JavaScript, Codechef API, Bootstrap v3, ReactStrap.

CP Discord Bot

- A Competitive programming discord server was developed having multiple bots to help user learn Data Structure and Algorithms.
- Functionalities like practice, prepare, match, stalk , announcements were implemented.
- Technology used - Python, Discord.py, Codeforces-API, Heruko

EXTRACURRICULAR WORKS

Secretary

Dot Slash Community (Programming Club) IIIT Nagpur