# VAISHNAV SONAWANE

## Third Year Information Technology Student

Eager to work on real world problems and industry standard projects where I can use my skills and gain new ones while working with team of passionate members

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## EDUCATION

### BTech, Information Technology
Vishwakarma Institute of Technology, Pune
*07/2019 - Present*                              *CGPA: 9.58*

### 12th Boards, HSC
New English School and Junior College, Sakri
*06/2018 - 03/2019*                              *83.53%*

### 10th Boards, SSC
New English School and Junior College, Sakri
*06/2016 - 04/2017*                              *96.80%*

## PROJECTS

### Implementation of Graphs (02/2021 - 06/2021) ⬈
- A Header file for Graph Data Structure and algorithms related to it, for the easy use of Graphs and its functionalities.
- Directed and Undirected Weighted Graphs along with functions like cycle detection, BFS, DFS, Minimum Spanning Tree etc were implemented.

### Sorting Algorithm Visualizer (07/2020 - 08/2020) ⬈
- React application to display step by step output of five sorting algorithms including Merge Sort, Quick Sort, Insertion Sort, Selection Sort and Bubble Sort, based on user input.
- This was a group project in which I looked after algorithms and rendering of output.
- Project link

### Bank Management System (07/2020 - 08/2020) ⬈
- Implementation of mini Bank Management System in C++, including functionalities like Bank, Customers, Admins, Debit card, transactions (withdraw, deposit), Admin Authentication, Debit card PIN Authentication etc.
- This was a course project while learning OOP. Implemented around nine classes, covering almost all OOP concepts.

## SKILLS

C | C++ | Java(Intermediate)

Python(Intermediate) | OOP | Data Structures

Algorithms | Competitive Programming

Operating Systems | DBMS(Basics) | Leadership

Good Communication

## CERTIFICATE AND ACHIEVEMENTS

C++ Programming (SEED Infotech) (01/2020 - 02/2020)
*https://drive.google.com/file/d/1XOpJ-gyBrhhlus4UyOxx2beTj0bkwgR_/view?usp=sharing*

Runner-up IEEE CodeZest 2021 (coding competition by IEEE, VIT Pune)
*https://drive.google.com/file/d/1XP4CviCVFQFAIIekKm0QgoFi-uRWf1Kc/view?usp=sharing*

Core team member Robosoft - The Robotics Forum(TRF) VIT, Pune.

Runner-up SET_CODE 3.0 (coding competition by Ekasutram, VIT Pune)

Stood 4th in IEEE CodeBash 1 (coding competition by IEEE, VIT Pune)

Silver Badge, Problem Solving, Hackerrank
*https://www.hackerrank.com/vaishnav_sonawa1*

## OTHER ACTIVITIES

Taught under-privileged children from Ramrajya Public School, Pune through classes under Utkarsh activity by SW&D Society VIT Pune.(01/2021-03/2021)

Class Representative from last 1 year.

Extra-curricular interests: Playing Chess(1300 rating points on lichess.com), Playing Cricket, Watching Movies.