Rushikesh Raut

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EDUCATION

NBN SINHGAD SCHOOL OF ENGINEERING PUNE
BE in Information Technology
CGPA : 6.9 (till 4 th semester)
Sep 2023 - sep 2025

GOVERMENT POLYTECHNIC AWASARI(KH) PUNE
Diploma in computer engineering
Aug 2019 - Sep 2022
87.77 Percentage

SMT K.D.KOTWAL HIGH SCHOOL
10th| Maharashtra, India
86.20 Percentage

LINKS

Github:// **rushikesh121**
LinkedIn:// **rushikeshraut**
Leetcode:// **Rushikesh1213**
GeeksForGeeks:// **rautrushi1213**
Codechef:// **rushikesh1213**

COURSEWORK

UNDERGRADUATE
Information Retrieval
Operating Systems
Database Management System
Computer Network
Object Oriented Programming
Machine Learning

SKILLS

PROGRAMMING
• Data Structure and Algorithm •
Java • Python • Javascript
React.js • Node.js • Express.js •
MongoDB
C • C++ • CSS • PHP • HTML
Familiar:
• Android • Machine Learning

PROJECTS

ALGORITHM VISULIZER | LINK | HTML , CSS , JS

- Developed a web-based platform using **HTML, CSS, and JavaScript** to visually demonstrate sorting algorithm.
- Created an intuitive and interactive user interface that allows users to customize **algorithm parameters**, such as *array size* and speed of execution.
- Include **Bubble Sort, Quick Sort, Merge Sort**, and more. Employed responsive design techniques for optimal user experience on various devices.

JOBS API |LINK | MongoDB, Express,React,Node

- Developed a **RESTful API** using Node.js and Express.js, providing seamless job listing capabilities for **creating, reading, updating, and deleting** job postings.
- Integrated secure user **authentication and authorization** mechanisms, bolstering the application's security.Authentication protocols such as **JWT** to safeguard API endpoints and protect sensitive user data.
- Developed a comprehensive **error handling** strategy , including custom error classes and validation **middleware**.

PHONEBOOK DIRECTORY |LINK | cpp , Data Structure

- Designed and **implemented a phone book** directory application using **C++** to efficiently manage contact information.
- Implemented advanced search and sorting algorithms within the phone book directory. like **binary search** and **merge sort** to enhance contact search efficiency
- : Designed an intuitive **command-line interface** that allowed users to interact with the phone book directory, providing a straightforward and accessible user experience.

ACHIEVEMENTS AND RESPONSIBILITY

- Secured **global rank 578** in **Codechef Starter 114** among 17000+ participants worldwide.
- Secured **global rank 844** in **Codechef Starter 90** among 13000+ participants worldwide.
- Secured **global rank 834** in **Codechef Long Challenge** among 11000+ participants worldwide.
- Secured **global rank 1494** in **Codechef Starter 113** among 19000+ participants worldwide.
- Solved more than **300+ DSA problems** across various platform.
- **Second runner up** in state level **math competition** held at samarth polytechnic belhe.
- Qualified the **microsoft AI classroom** series contest with a score greater than 90.