Harsh Singh

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🏠 Mumbai, India

in Harsh-Singh

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ABOUT ME

Student software developer skilled in data structures and algorithms, C/C++. Seeking challenging role to contribute to scalable, secure products.

SKILLS

- Active Listening ⦿⦿⦿⦿⦿
- Critical thinking and problem solving ⦿⦿⦿⦿
- Git/GitHub ⦿⦿⦿
- Data Structures ⦿⦿⦿⦿⦿
- Web dev ⦿⦿⦿⦿
- C++ ⦿⦿⦿⦿

CERTIFICATIONS

Mastering data structures

HOBBIES

Cricket, Badminton,Gym

LANGUAGES

English , Hindi

EDUCATION

2007-2021
The Bishop's School
ICSE-2019(X): 94.2%
ISC -2021(XII): 86.25%

2021 - Present
VIT-Vellore
Studying Electronics and Communications Engineering as a junior, fascinated by the constantly evolving technology in the field.

PROJECTS

I. Rubik's Cube Solver in C++ USsing KORF'S or IDA* Algorithm

• Modeled a virtual Rubik's Cube (3×3) in 3 different models/classes in C++
• Achieved a solving time of under 3 seconds for a Rubik's Cube jumbled 8 times,
using BFS, DFS, and IDDFS algorithms
• Achieved a solving time of under 10 seconds for a Rubik's Cube jumbled 13 times, using Korf's IDA* Algorithm

II. Algorithm Simulator Website

This is a web application that allows you to visualize and understand several fundamental algorithms using HTML, CSS, and JavaScript. You can simulate the following algorithms:
- Bubble Sort
- Selection Sort
- N-Queen Problem

TECH STACK

Programming Languages
C/C++,Python, Java, JavaScript
Web
HTML/CSS, JavaScript(React)