

RAGHAV BANSAL

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Work Experience

Adzo Software Development Engineer Intern	May'23 - Jul'23
- Developed website using HTML ,Javascript ,CSS for the frontend. - Created Python-based APIs to handle Data propagation. Also worked on some app features	
Coding Blocks Problem Setter Intern and Campus Ambassador	Oct'22 - Feb'23
- Prepared 50+ Coding problems, - Test cases and Editorials based on Data Structures and Algorithms for their online platform and coding competitions.	

Projects

Vidzo	Mar'24
Vidzo automates habit reminders with personalized phone calls.Backend Built using Django, Twilio for calls, and Sql database is used for data storage. Enhance accountability and consistency effortlessly.	
Crop Production & Maintenance Recommendation System using IoT	Jan'24
Created an IoT-driven Crop Production & Maintenance Recommendation System, optimizing agricultural output and resource management. Utilized sensor data for real-time monitoring and analysis, enhancing crop yield and sustainability. Implemented advanced algorithms for predictive maintenance and personalized recommendations. Contributed to improved efficiency and profitability in agricultural practices.	
Brain Tumor Detection System	Oct'23
Engineered a Brain Tumor Detection system employing machine learning models trained on medical images, providing real-time classification of brain health. Enables swift diagnosis and treatment planning, contributing to improved patient care outcomes.	
Itinerary Planner	Feb'23
An Algorithmic application to solve real life problem of tourists for finding out the best possible itinerary in a given map according to the time constraint implemented using OOPs and STL in C++	
Missile Guidance System	Feb'22
A Guidance system for shooting air objects in real time based on the classified air object and its predicted trajectory using Machine Learning Model trained on NASA Dataset with an accuracy of more than 98% implemented in Python.	

Skills

C++ | C | Java | Python | Machine Learning | JavaScript | NodeJS | React |MySQL | Git |Object Oriented Programming (OOPs) | Data Structures and Algorithms | Operating Systems: Mac/Linux, Windows.

Achievements

- Recognized for problem-solving skills, solving 350+ problems across platforms.
- Won various coding competitions at college.

Coding Profile

- Github : <https://github.com/raghavbansal18>
- Code Forces : <https://codeforces.com/profile/raghav91>
- Leetcode : <https://leetcode.com/rvbns109/>
- InterviewBit : <https://www.interviewbit.com/profile/raghavbansal18/>

Education

Jaypee University Of Information Technology, Solan(H.P), India	2021 - 2025
• Branch CGPA: 8	(expected)
New Happy Public School, India	2020 - 2021
• CBSE (Class XII), Aggregate:86.2%	
S.D Public School, India	2018 - 2019
• CBSE (Class X), Aggregate:87%	

Undergraduate Courses

Algorithm and Problem Solving | Data Structures | Database Management System(DBMS) | Operating Systems(OS)| Software Engineering, Computer Networks.