B R Aditya Vardhan Reddy

📞9494942613   ✉ adithyavardhan680@gmail.com   🔗Raja Aditya Vardhan Reddy Bhumireddy

⌨AdityaVardhan-B   ⅁ AdityaVardhan-B   🌐https://adityavardhan-b.github.io/me/

Summary

Aspiring computer science student with a strong interest in Data Structures and Problem Solving. I possess practical experience in creating innovative solutions and am eager to apply my analytical skills and enthusiasm for development to a dynamic team.

Education

Dayananda Sagar Academy of Technology And Management

B.E in Computer Science & Engineering

CGPA – 9.41

Nucleus Junior College

Pre-University Course – PCM

89.9%

Skills

Programming Languages

Python, Java, C

Tech Stacks

Data structures & Algorithms, Problem Solving

Dev Tools

GitHub, VS Code, Eclipse IDE, Python IDLE, MS office

Projects

Biometric Electronic Voting machine using Python
- Understood the requirements and functionalities of biometrics sensors and their uses.
- Developed a Python program to imitate voting booth but with a biometric sensor.
- Used the Python program to access biometric sensors of device and use it to verify users.
- Rigorously tested the program to ensure it behaves as expected.

Motion Detection Security Camera Using Java and OpenCV
- Used Java and OpenCV to analyze input video stream and test for movement.
- Understood the basics in use of OpenCV in image and video processing.
- Used OpenCV along with Java to continuously check for movement in input video stream and record the video and to notify when movement is found.

Project Matrix
- Involved in a project called "The Matrix" which involved indoor positioning and navigation system.
- Understood the challenges and difficulties in implementation of navigation system in small scale.
- Developed and implemented a website with integrated personalized AI chatbot for ease of access and as Q&A responder for users.

Activities

Took part in Hackathons, Ideathons, Code contests and Math contests and improved my idea on coding and learned many new things.

Secured 2nd Place in Ideathon at Ignite Biz, the Startup Ideas Event held at Christ Academy Institute for Advanced Studies.

Co-ordinated in national-level Hackathon and Ideathon Techfest competition named "TechTonic" at our college.