Aayush Kumar Fabwani

aayushfabwani2@gmail.com / +919617637923 / linkedin.com/in/aayush-kumar-fabwani

leetcode.com/AayushKFabwani / github.com/aaayush2604

Skills

Languages: C++, C, Java, C#, SQL, JavaScript,Python

Web Development: MERN Stack(MongoDB,Express.js,React.js,Node.js), Django, HTML, CSS, Tailwind CSS, Bootstrap, Socket.IO

Libraries & Frameworks: Pandas, NumPy, Matplotlib for data manipulation and visualization & OpenCV and Tesseract for computer vision and OCR

Data Structures & Algorithms: Strong understanding and practical application of data structures and algorithms, with active problem-solving experience on LeetCode (profile included)

Education

Vellore Institute of Technology, Chennai, B.Tech in Computer Science & Engineering	**CGPA: 9.63/10**	(Sept 2022- Present)
XII (CBSE), St. Joseph's Convent Sr. Sec. School, Sagar, Madhya Pradesh		94.6% (2022)
X (CBSE), St. Joseph's Convent Sr. Sec. School, Sagar, Madhya Pradesh		95.3% (2020)

Projects

Real Time Chat Application using Socket.io (MERN)   github.com/aaayush2604/GupShup

- Developed a real-time chat web application using the MERN stack (MongoDB, Express.js, React.js, Node.js) and Socket.io that allows users to send and receive messages instantly. The project supports user authentication, real-time updates, and seamless communication.
- **Deployment:**gupshup-zsh9.onrender.com

Bot for Automating Hostel Attendence

- Created an autonomous line-following robot for automating hostel attendance, reducing manual effort.
- Made Using Arduino, infrared sensors, fingerprint sensor, motors and buzzers the robot follows the path of the line and uses a fingerprint sensor to verify and record attendance.

Custom Memory Allocation and Garbage Collection in LINUX   github.com/aaayush2604/Custom-..

- Developed custom memory allocation function using C and system calls for specialized memory management.
- Tailored memory allocation and garbage collection to optimize performance, to carry out Improved memory management and resource utilization for targeted use cases.

Meal Map (MERN)   github.com/aaayush2604/Meal-Map

- Developed a full-stack web application using the MERN stack (MongoDB, Express.js, React.js, Node.js) that enables users to browse and leave reviews for various food establishments. The project utilizes JSON Web Tokens along with CRUD Operations.
- **Deployment:**meal-map-frontend.vercel.app

Extracurricular

English RJ Lead: Head of English RJ Department in VIT Chennai's Radio Station Club "Voice-IT"

SCOPE Newsletter: Part of Team responsible for creating and Publishing VIT Chennai's SCOPE (School of Computer Science and Engineering) Newsletter