Balaji M

Web Developer Github Linkedin
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Tirunelveli, Tamilnadu

SKILLS

Programming Languages : Python, Javascript, C, C++, Java, R
Frontend Technologies : ReactJS, HTML, CSS, Bootstrap
Backend : Flask , Django, Sqlite, MYSQL

EDUCATION

Vellore Institute of Technology: 2022 - 2026
Btech - Computer Science and Engineering

Pushpalata Vidya Mandir: 2018 - 2022
Higher Secondary education - CBSE

PROJECTS

Meal Mate : March 2024
MealMate is a web application designed to streamline the process of ordering meals from a restaurant. It provides functionalities for users to browse the menu, add items to their cart, place orders, and view their order history. I developed the backend of MealMate using Flask

Sight Sync : March 2024
SightSync is a "Smart Vision Helmet" for visually impaired individuals, powered by a Raspberry Pi 4. It features real-time perception of the surrounding and text-to-speech responses. Using OpenCV and Large Language Models, it provides audible descriptions of surroundings aiming to enhance independence and navigation for users.

TeachSync : October 2023
TeachSync transforms the college learning experience by curating personalized educational content using the YouTube API, optimizing study time and fostering efficient access to high-quality materials aligned with the academic curriculum. With TeachSync, students can efficiently discover, engage with, and benefit from personalized educational resources, enhancing the overall efficiency and effectiveness of their learning journey.

Class Scheduler : May 2023
Class Scheduler, designed to generate efficient timetables for schools and colleges. This platform considers various constraints, ensuring optimal scheduling that aligns with academic requirements, staff availability, and flexible scheduling.

WORK EXPERIENCE

Backend Developer at Jurident March 2024 - Present
Working on delopying ML models and developing APIs

PUBLICATIONS

Precision Agriculture using ML December 2023 - Present
Working on a research paper exploring the application of machine learning to advance precision agriculture practices