Sakthi Bala

 Git Hub | in LinkedIn | | ✉ Gmail | 📱 +91 9384601962

WORK EXPERIENCE

TRUE TRACKING   Aug 2024 - Present
Associate Software Engineer

- Developed and maintained web applications using Laravel (PHP), Python, and MySQL.
- Built and optimized scheduling systems, task management tools, and inventory management solutions.

Key Achievements:

- Automated industrial announcements by integrating **Google API with PHP & Python**, reducing manual intervention by **40%** and improving system efficiency with **30% faster data retrieval**.
- Developed a **CSV bulk upload feature**, reducing event scheduling time by **50%** and enhancing event and announcement management.
- Created a school scheduling system with audio playback, automating daily announcements and cutting manual intervention by **30%**.

PROJECTS

Scheduler with Announcement System   Sep 2024 - Nov 2024

- Engineered a web-based audio player with playback controls (play, pause, stop), resulting in a **20% increase in user engagement**.
- Designed and implemented an **event scheduling system** with user authentication and **CSV bulk upload**, reducing event setup time by **50%**.
- Deployed the system on **Raspberry Pi**, ensuring **24/7 standalone operation** with **99% uptime** for consistent performance.

Technologies Used: Laravel, PHP, MySQL, Python, Raspberry Pi

Driver Name Announcement System for Industrial Estates   Dec 2024 - Feb 2024

- Engineered an automated announcement system using **PHP and Python**, reducing manual effort in industrial estate pickup areas by **40%**.
- Optimized **MySQL database design**, ensuring fast and efficient driver name retrieval, improving system response time by **30%**.
- Integrated **Google API for text-to-speech conversion**, enabling clear and accurate driver name pronunciations, enhancing **user experience and accessibility**.

Technologies Used: Laravel ,PHP, MySQL, Python, Google API, Raspberry Pi

SKILLS

Languages	Python, MySQL, php, Laravel, C sharp, Code Igniter, MongoDB, Node, Express and React Js
Tools	MS Office, Git, GitHub, Post man, Laragon, Xampp, Vs Code and Visual Studio

EDUCATION

90.76   B.Sc Computer Science at Guru Nanak Velachery   (2021 - 2024)