POSA MANIKANTA

Full Stack Python Developer

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• Proddatur | A.P

Summary

Motivated software developer capable in Python and web development. Lead a team to optimize code, achieving a 25% reduction in application response time. Proficient in advanced technologies for enhanced user experiences.Seeking a role to apply skills and drive impactful solutions in a collaborative tech environment

Education

Presidency University Bangalore

Btech, AI&ML 08/2020 - 07/2024

Narayana Junior College

Intermediate,MPC 06/2018 - 07/2020

Certification

Certified Python Full Stack Developer — **GREATCODERS**

Skills

Basic Python,Advance Python,MySQL

HTML CSS JavaScript

Django React JS Bootstrap

Projects

AMBULANCE FINDER | Web Development

Bangalore, India
01/2024

Developed a web platform to provide emergency ambulance services. Features include locating the nearest ambulance using the patient's location, sending alerts to ambulance providers, and notifying two emergency contacts.

- **Faster Emergency Assistance:** To enhance response times, integrate a real-time mapping system that adjusts ambulance routes based on live traffic data, road closures, and current conditions. This will ensure the quickest possible arrival during emergencies.
- **Enhanced Patient Safety:** Timely notifications to designated emergency contacts ensured better preparedness and support for patients in critical situations.
- **Streamlined Communication:** The system ensured smooth coordination between users, ambulance services, and emergency contacts, leading to improved operational efficiency.

Automatic Alcohol Detection and Engine Locking System | IOT

Bangalore, India
01/2023

Developed an IoT-based system that automatically detects alcohol levels in a driver's breath. If alcohol is detected beyond a set threshold, the system locks the vehicle engine to prevent operation, enhancing road safety and reducing drunk driving incidents.

- **Reduced Drunk Driving Incidents:** The real-time detection and engine lock feature significantly lowered drunk driving incidents by adding an extra layer of prevention.
- **Enhanced Road Safety:** The system successfully prevented driving under the influence by automatically locking the engine when alcohol was detected, thereby reducing the risk of accidents due to impaired driving.
- **Increased Awareness:** The project raised awareness about the importance of responsible driving, contributing to a culture of safety on the roads.