BHUVAN V PRASAD

Engineer

Contact

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Karnataka, India

Skills

- C++
- C
- Computer-Aided Design (CAD)
- MATLAB
- Python
- Object-Oriented Programming

Work Experience

J S S Academy of Technical Education Dec 2022 - Present

Student

Electronics and Communication Engineer

Education

J.S.S. ACADEMY OF TECHNICAL EDUCATION BANGALORE Aug 2024 - Present

ENGINEERING

V V S Sardar Patel P U College Apr 2021 - Jun 2022

12TH/PUC

New Oxford High School Jun 2019 - Aug 2020

10TH

Projects

J S S Academy of Technical Education Nov 2024 - Jan 2025

LoRa Based GPS Tracking System

LoRa-based GPS trackers utilize Long Range (LoRa) technology for wireless communication, enabling long-range, low-power tracking of devices. The tracker consists of a GPS module, LoRa module, microcontroller, power source, and antenna. It works by determining the device's location via GPS, transmitting the data to a LoRa gateway or network server, and then to a cloud platform for real-time tracking. LoRa-based GPS trackers offer advantages such as long range, low power consumption, and low cost, making them suitable for asset, livestock, and personnel tracking.

J S S Academy of Technical Education Mar 2025 - Present

FPGA Based AI Accelerated Object Tracking

FPGA-based AI accelerated object tracking leverages Field-Programmable Gate Arrays to accelerate AI-based object tracking, offering high performance for real-time processing, low power consumption for edge AI applications, and flexibility to support different AI models and algorithms. This technology has various applications, including surveillance systems, autonomous vehicles, and industrial automation, and utilizes key technologies such as deep learning-based object detection and tracking and computer vision algorithms. By enabling fast, accurate, and efficient object tracking, FPGAs make them suitable for various industries.

Certifications

MATLAB Nov 2024 - Apr 2025

MATLAB Object Orientated Programming Onramp

MATLAB programing, Object Orientated Programming, C++

MATLAB Jan 2024 - Feb 2024

MATLAB Onramp

MATLAB programing