Anish Arun Sandaye

Email: anishsandaye2002@gmail.com
Contact No: +91 8766918605
Address: Ratnagiri, Maharashtra
Linkdin Profile: https://www.linkedin.com/in/anish-sandaye-5942b120a
Github Profile: https://github.com/AnishSandaye

Career Objective

Currently pursuing an MTech in Embedded Systems while exploring embedded technologies to enhance my technical skills, aiming to build a successful career as an engineer.

Academic Details

Amrita Vishwa Vidyapeetham, Coimbatore 2024 - 2026

MTech in Embedded System | *CGPA: 8.09

Rajiv Gandhi Institute of Technology, Mumbai 2020 - 2024

B.E. in Electronics & Telecommunication | CGPA: 9.04

Navjeevan Jr. College, Ratnagiri (Maharashtra) 2018 - 2020

HSC | Marks: 78%

Shri Mahakali English School, Ratnagiri (Maharashtra) 2012 - 2018

SSC | Marks: 92%

Technical Skills

Programming Languages: C Programming | C++ | Python

Hardware Languages: Embedded C | Verilog HDL

Tools: Visual Studio Code | Arduino IDE | STM 32 Cube IDE | Thonny | MATLAB | Proteus | Keil uVision | KiCAD | Model Sim | Vivado

Development Boards: Arduino UNO | Raspberry Pi Pico | STM32 | ESP32 | LPC2148 | FPGA

Protocols: I^2C | SPI | UART | WiFi | Bluetooth

Field of Interests

IoT | Robotics | Hardware Interfacing | Automation | Testing

Projects

Solar Tracking System with Energy Management System JUL 2024 - NOV2024

- Developed a solar tracking system using Arduino UNO to optimize solar panel efficiency by adjusting its position based on sunlight intensity detected by LDRs. Incorporated an Energy Management System to monitor and display power output using an LCD and I^2C protocol. The system utilized a servo motor for panel movement and a DC motor for additional automation control.
- **GitHub:** https://github.com/AnishSandaye/Solar_Tracking_System

DAM Monitoring & Controlling System JUL 2024- NOV2024

- Developed a DAM monitoring system using LPC 2148, ultrasonic, and force sensors to measure water levels, triggering alarms and controlling gates via DC motor. Integrated GSM module for remote SMS alerts and used I^2C for real-time data display on an LCD.
- **GitHub:** https://github.com/AnishSandaye/Dam_Monitoring-_and_Controlling_System

Smart Shopping Cart using Maglev for Physically Challenged JUL 2023 - MAY 2024

- Created a Smart Shopping Cart utilizing Maglev technology for smooth, noiseless navigation, designed to aid physically challenged individuals. Implemented RFID for automated billing, with real-time billing details accessible on a web server for user convenience.
- **GitHub:** https://github.com/AnishSandaye/Smart_Shopping_Cart
- **Patent Publication No**: 202421035676

Internship

Aniruddha Telemetry Systems Pvt LTD MAR 2024 - APR 2024

- Worked on designing, developing, and testing embedded systems using Arduino UNO.
- Collaborated on various small-scale projects to improve system performance, troubleshooting both hardware and software issues. Also contributed to documenting and enhancing system processes for better efficiency.

Workshops

SAE Drone Design Challenge Workshop, BS Abdur Rahman Crescent Institute of Science & Technology, Chennai DEC 2023

IoT with Arduino, EdVerb Learning Pvt. LTD JAN 2022 – FEB 2022

Certificates

MATLAB

Embedded C Programming

Achievements

SAE India Aero Design Challenge: Nationwide 9 rank 2023

SAE International Aero Design Challenge: Worldwide 16 rank 2022

Co - Curricular Activities

Participated in SAE Aerothon, Bengaluru JUN 2023

Organized Stargazing event JAN 2023 & JAN 2024

Organized and Volunteer Aeromodelling Workshop MAR 2023

Volunteer at District Level Science Exhibition held in Shri Mahakali English School, Ratnagiri JAN 2016