



THARANI A

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 9361915545

EDUCATION

Ganadipathy Tulsi's Jain Engineering College Vellore.
B.E in Electronics and Communication

Year Of –2024
CGPA: 7.5

Sri Venkateshwara Polytechnic College Vellore.
Diploma In Electronics and communication

Year Of –2021
PERCENTAGE: 97%

SKILLS

- **Programming Languages** : C, C++, Oracle SQL
- **Development** : SQL Queries, MS Excel (Formulas, Tables), PowerPoint Presentations, Embedded C (Basic)
- **Analytic Tools** : MS Excel, PowerPoint, SQL (Basic data reports)
- **Platforms** : Windows OS, Arduino IDE, Keil μ Vision (Microcontroller IDE).
- **Soft Skills** : Quick Learner, Hardworking, Team Collaboration, Communication, Time Management

PROJECTS Title

Project Title: Automatic Fire Fighting Robot with SMS Alert

Tools/Tech: Embedded C, Sensors, GSM Module, Microcontroller

Duration: June 2023 – April 2024

- Designed and developed a smart firefighting robot capable of detecting flame, smoke, and gas leaks.
- Integrated sensors to identify fire zones and used GSM modules to send SMS alerts to registered contacts.
- Built autonomous navigation logic to approach the fire and release water to extinguish it.
- Built for small-area emergency responses in offices, homes, and industries.
- Programmed using Embedded C and tested on a microcontroller with real-time fire detection simulations.

Project title– IoT-Based Rationing System for FCI

Tools/Technologies: Embedded C, IoT Sensors, GSM Module, Microcontroller, SQL

Duration: April 2020 – 2021

- Developed a smart ration distribution system using IoT sensors and microcontrollers to detect and reduce corruption in public distribution.
- Automated weight validation and transaction logs to eliminate manual errors and smuggling.
- Enabled real-time monitoring of stock using sensor data and updated digital records for transparency.
- Enhanced efficiency for FCI officials to trace irregularities and manage product flow.