

D VANITHA

Full-Stack Web Development

vanithad859@gmail.com | 9492004752 | Chittoor District, Andhra Pradesh State, India

[Linkedin](#) | [GitHub](#)

EDUCATION

IIIT RGUKT RK VALLEY

ECE BTech

CGPA: 7.5

KADAPA

2021 - 2025

IIIT RGUKT RK VALLEY

MPC PUC

CGPA: 8.26

KADAPA

2019 - 2021

ZPHS THAVANAMPALLE

Degree in HIGH SCHOOL 10th

CGPA: 10.0

CHITTOOR

2018 - 2019

EXPERIENCE

Embedded Systems | Internship

Remote | Aug-2024 - Oct - 2024

Gained hands-on experience in microcontroller programming, circuit design, and sensor interfacing for embedded systems projects. skills in C/C++ programming and real-time system development.

Machine Learning With Python | Internship

Remote | Oct-2023 - Dec-2023

Gained knowledge of machine learning using Python libraries like scikit-learn and pandas. Learned data preprocessing, model training, and evaluation techniques.

SKILLS

Programming Languages: Core Java, Python, HTML5, CSS3

Libraries/Frameworks: JavaScript

Tools / Platforms: VS CODE, GITHUB, GOOGLE COLAB PYTHON, Eclipse

Databases: SQL

PROJECTS / OPEN-SOURCE

Fire Fighting Robot

Arduino Uno, Sensors, Motor Drivers, Embedded Systems Programming, Robotics

Developed a Fire Fighting Robot using Arduino Uno to detect and stop small fires. The robot uses flame and temperature sensors to find the fire and motor drivers to move around. It can avoid obstacles and spray water to put out the fire. This project helped in learning sensors, motors, and basic Arduino programming.

Home And Industrial Safety Fire And Gas Leakage Detection System

Gas sensors (MQ series),

Flame sensor, Arduino/ESP32, Buzzer, IoT (optional), Relay.

This project detects fire and gas leakage in both home and industrial environments using sensors. It alerts users through buzzer alarms and GSM messages for immediate action. The system automatically turns off electrical appliances via relay to prevent accidents. It enhances safety by providing real-time monitoring and quick response.

CERTIFICATIONS

- Embedded Systems - Internshala.
- Machine learning with python - Coincent.
- Python programming language - Centre For Training And Employment.
- Workshop based on Robotics and Internet of Things - IIIT RGUKT RKVALLEY.