

# **AREDDALA VAMSI**

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## **JOB SUMMARY:**

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To be in Environment where I can work up to my full potential,enhance my skills and become a good asset to the organization ,while enhancing my career opportunities.

## **EDUCATION:**

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### **SREE VENKATESHWARA COLLEGE OF ENGINEERING**

Bachelor of Technology

2021-2025

Major in Electronics and Communication Engineering

CGPA: 72%

### **GOVERNMENT JUNIOR COLLEGE**

Intermediate education

2019-2021

Course:MPC

CGPA:61%

### **ANDHRA PRADESH RESIDENTIAL SCHOOL**

April 2019

Board of Secondary Education,A.P

GPA:76%

## **PROJECT:**

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**NAME OF THE PROJECT :** IOT BASED ON FOREST FIRE DETECTION SYSTEM ,JANUARY 2025-APRIL2025

### **DESCRIPTION**

: The IoT-Based Forest Fire Detection System is designed to provide an efficient, automated, and real-time solution for early detection of forest fires, which are major natural disasters causing severe environmental and economic damage. The system uses an ESP32 microcontroller integrated with temperature and humidity sensors (DHT11/DHT22) and gas sensors (MQ-2/MQ-135) to continuously monitor environmental conditions such as heat, smoke, and harmful gases. Sensor data is processed in real time to detect abnormal conditions, and when fire thresholds are exceeded, alerts are generated through visual indicators (OLED display, LEDs) and an audible buzzer, with provisions for wireless communication using Wi-Fi, GSM, or LoRa to notify authorities remotely.

## **CERTIFICATIONS:**

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- Certificate based on IOT (NPTEL)-60%
- Certificate based on Internship

## **TECHNICAL SKILLS:**

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- C Programming Language
- C++
- ARM
- Embedded C

## **SOFTSKILLS:**

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- Positive Attitude
- Pro Active
- Interested to learn new things
- Flexible personality

## **PERSONALITY TRAITS:**

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- Self-motivated and proactive in achieving goals
- Quick learner with a strong desire to grow

## **LANGUAGES:**

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- English
- Telugu

## **PERSONAL DETAILS:**

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Father's Name : Areddala.venkateswarlu  
Mother's Name : Areddala.lalithamma  
Address : South mopur ,Nellore rural, Nellore  
Andhra Pradesh,524004.  
Date of Birth : 29-01-2004

## **DECLARATION:**

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I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.