



# SISTLA HEMA LAHARI

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**Course:** B.Tech- Electronics and Communication Engineering (2020-2024)

**College:** Dr. Lankapalli Bullayya College of Engineering (AU Affiliated)

## **CARRER OBJECTIVE**

To work in a competitive environment where I can effectively contribute my analytical, interpersonal, leadership and organizational skills to conceive and achieve solutions.

Seeking a challenging position in a reputed organization where I can learn new skills to expand my knowledge and leverage my learnings.

## **EDUCATIONAL QUALIFICATIONS**

Qualification	Discipline/ Specialization	School/ College	Board/ University	Year of Passing	Aggregate (%)
B.Tech	Electronics & Communication Engineering	Dr. Lankapalli Bullayya College of Engineering	Andhra University	2024	6.95 CGPA
Intermediate	M.P.C	Narayana Junior College	State Board of Intermediate Education	2020	6.63 CGPA
S.S.C	S.S.C	Bhashyam High School	State Board of Secondary Education	2018	9.0 CGPA

## **TECHNICAL SKILLS**

- **Key Skills** : Python , Basics of SQL.
- **Applications** : Knowledge of Microsoft Office (Word, Excel, Presentation, PowerPoint).

## **MAIN PROJECT**

### ➤ **Vehicle Pollution Detection and SMS Alert:**

Designed and developed a vehicle pollution detection system using Arduino Microcontroller, GSM module, MFRC522 RFID reader, and MQ-135 gas sensor. The system detects harmful gases in vehicle exhaust and triggers SMS alerts when pollution levels exceed a predefined threshold.

### ➤ **Technical Skills Used:**

- ▶ Embedded Systems (Arduino) Microcontroller Programming.
- ▶ Wireless Communication (GSM) module configuration and SMS alert system development.
- ▶ RFID Technology (MFRC522) reader for vehicle identification and tracking.
- ▶ Gas sensor integration (MQ-135) for pollution detection and monitoring.
- ▶ Programming Language ( C ) programming language.

## **ACHIEVEMENTS**

- Internship Completed on Telecommunications at BSNL (2 weeks).
- I have Participated in PPT Presentation about Vehicle Pollution Detection SMS Alert.

## **CERTIFICATIONS**

- Certification of Achievement on Communication Skills by TCS ION.
- Participation in Career Guidance Webinar in collaboration with SKILLDUNIA.
- I Received a Certification of Course Completion and Project Completion on Data Science using Python by GRAFX IT SOLUTIONS.
- I Received NSS (National Service Scheme) Special Camp Certificate by ANDHRA UNIVERESITY.

## **EXTRA CURRICULAR ACTIVITIES**

- Awarded 1<sup>st</sup> Prize in Kho-Kho.
- **National Service Scheme (NSS) – Member.**
  - ▶ Dr Lankapalli Bullayya College Of Engineering. (June 2020- April 2024).
  - ▶ Actively Participated in Community Service Programs and Events.
  - ▶ Contributed to Social Causes, Such as Environmental Conservation, Health Awareness and Social Welfare.
  - ▶ Developed Skills in Team Work, Leadership, and Communication.
  - ▶ Received NSS Certificate for Dedicated Service.

## **SOFT SKILLS**

- Leader Ship
- Self Motivation
- Flexibility

## **PERSONAL PROFILE**

**Father's Name** : Sistla Srinivas

**Gender** : Female

**Marital Status** : Unmarried

**Nationality** : Indian

**Date of Birth** : 27<sup>th</sup> March, 2002

**Address** : Sistla Hema Lahari , D/O Sistla Srinivas,  
Door No – 49-53-9/5/26, Bhavani Apartments-3,  
Balayya Sastry Layout, Seethammadhara, Visakhapatnam, 530013.

**Date** :

**Place** :

**(SISTLA HEMA LAHARI)**