


# SADE HARSHA VARDHAN

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## SUMMARY

I am a recent graduate from ANITS, Department of Electronics and Communication Engineering seeking a challenging role in a reputed organization where I can apply my technical knowledge, problem-solving skills, and coding skills. I am eager to work on real-world projects, learn new tools and technologies, and grow both personally and professionally.

## EDUCATION

ANITS  
B.Tech – ECE  
2021 – 2025

CGPA : 8.46

SRI CHAITANYA JUNIOR COLLEGE  
12<sup>th</sup> – BIEAP  
2019 – 2021

CGPA : 8.39

SRI GAYATRI VIDYA NILAYAM  
10<sup>th</sup> – SSC  
2018 – 2019

CGPA : 9.30

## SKILL

- Java Programming
- C programming
- HTML(Basic)
- Python(Basic)
- Raspberry Pi, Arduinio Uno
- MS Word
- MS Excel
- Creative Skills In Drawing

## PROJECTS

**CROWD DETECTION USING DEDDR2 MODEL**

2024–2025

Developed a crowd counting system using the DEDDR<sup>2</sup> U-Net architecture for real-time density estimation. Integrated Raspberry Pi and stereo cameras for IoT-based edge processing .  
“[https://github.com/SadeHarshaVardhan/Crowd\\_Detection\\_Using\\_DEDDR2\\_U-NET\\_Model](https://github.com/SadeHarshaVardhan/Crowd_Detection_Using_DEDDR2_U-NET_Model)”

**GAS AND FIRE DETECTION USING ARDUINO UNO &MIT APP**

2024

Built a real-time fire and gas detection system with Arduino UNO, using MQ sensors and LDR.Enabled wireless alerts and control via Bluetooth-connected Android app.  
“<https://github.com/SadeHarshaVardhan/fire-gas-detector>”

**JAVA BASED CALCULATOR**

2024

Developed a dual-function calculator application in Java, featuring both basic arithmetic operations and advanced scientific computations, including trigonometric and logarithmic functions. Utilized Java SDK and Visual Studio Code for development.  
“<https://github.com/SadeHarshaVardhan/calculator>”

**OBSTACLE AVOIDING ROBOT & CONTROLLER**

2024

Built an Arduino robot with ultrasonic sensors for automatic obstacle avoidance and Bluetooth-based manual control via an MIT App Inventor.  
“<https://github.com/SadeHarshaVardhan/obstacle-avoiding-robot-controller>”

## INTERNSHIPS

Completed Internship–1 At Telecommunication And Networking at BSNL.  
Visakhapatnam.

May 2023 –May 2023.

Completed Internship –2 At All India Radio.  
Visakhapatnam

May 2024 – June 2024

## ACHIEVEMENTS /CERTIFICATES

- Organised and manage Technex Event 2025.
- Completed Programming In Java in NPTEL 2024.
- Completed Web Development Course In Udemy 2024.
- Completed Prompt Engineering and Advanced chatgpt in EDX 2024.
- Participated In Hardware Expo 2024.
- Participated In Arduinio Workshop by IEEE 2023.