ROHITH GUDIPATI

E-mail: rohithgudipati2002@gmail.com **| LinkedIn:** Gudipati Rohith
Address: Bangalore, India **| PH.NO:** +91 8639261178

Education:
B. Tech - ECE(AIML), GITAM University, Bangalore (2020 – 2024) – 8.56 CGPA
Intermediate, Sri Chaitanya Junior College, Nellore (2018 – 2020) – 9.5 CGPA
10th class, Ratnam High School, Nellore (2017 - 2018) – 9.7 CGPA

Projects:
Home Automation-IOT
- Designed and implemented a Home Automation-IoT system using Nodemcu. enabling remote control of lights, appliances, and security systems.
- Strengthened security with real-time surveillance and remote access, providing peace of mind to homeowners.

Weather Monitoring System – IOT
- Designed and implemented an IoT-based Weather Monitoring System using a Nodemcu and various environmental sensors.
- The system continuously collected real-time weather data, including temperature, humidity, and atmospheric pressure, enabling accurate weather tracking.

Automatic Night Light Using NAND Gate
- Developed a smart night light using NAND gate logic, enabling automatic switching between day and night modes.
- Devised a budget-friendly, energy-efficient solution by optimizing NAND gate configurations.

Hand Gesture Control for Laptops
- Designed and implemented a novel Hand Gesture Control system for laptops using computer vision techniques and machine learning algorithms.
- This project was featured in tech publications and garnered positive user feedback for its intuitive interface and practicality.

Internship:
Central Manufacturing Technology Institute, Bangalore (May 15th, - July 6th, 2023)
- Interfacing the sensors in serial communication and transferring the data into the cloud (Blynk).
- Controlling the stepper motors using Encoders with the help of Arduino.

Acmegrade (Feb 10th, 2023 - Apr 10th, 2023)

- Developed a bi-directional visitor counter using Arduino, leveraging a PIR sensor to accurately track and control the door using a servo motor.
- Achieved 90% visitor tracking accuracy, enhancing facility data precision.

Certifications:

- Introduction and programming with IoT Boards.
- IBM Deep Learning and Reinforcement Learning
- Object-oriented programming concepts
- IBM Machine Learning.

Skills:
Technical: c, c++, Python, IoT (Arduino, Nodemcu), Embedded Systems, Data Structures and algorithms, SQL
Soft: Logical Thinking, Problem-Solving, Communication, Team Management, Decision making

Position and Responsibilities:

- **Graphic designer** | 2022 - 2023 | Perspective Arts Club Transforming ideas into visually stunning realities.
- **Graphic designer** | 2023 | Part of the CGC Marketing team.
- **Advisory committee** | 2023 - present | Perspective Arts Club Leading a team of 6 executive members.
- **Student trainer** |2022| Empowering students to become skilled leaders through interactive workshops and hands-on training.

Achievements:

- Secured **1st place** - workshop on IoT Home Automation
- Secured **1st place –** University Art Competition
- Secured **1st Place** - School Art Competition

Languages: English, Telugu, Hindi

Hobbies:
Engaging in various forms of art, playing cricket, exploring new places, competing in kabaddi matches, and designing.