THALLAPALLI GAYATHRI

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Teelair, Marikal, Narayanpet,
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Career Objective:

To obtain a challenging position in an organization where I can leverage my Technical and Communications Skills for the growth of the organization while I continue to learn and grow.

Educational Qualifications:

Course	Institution	Board / University	Year of Passing	CGPA / Percentage
B.E.(ECE)	Sathyabama Institute of Science and Technology, Chennai	Deemed to be University	2024	9.29
Intermediate (MPC)	Sri Gayatri Junior College, Hyderabad	Board of Intermediate Education, Telangana	2020	92.4%
10th Class	Montessori High School, Alampur.	Board of Secondary Education, Telangana	2018	9.8

Work Experience:

- **INTERNSHIP:**
  Worked as intern for 6 Months in OPENTEXT on **UIPATH AUTOMATION.**

Projects:

- Project titled **"IOT BASED ROBOTIC ARM USING NODE MCU"** (B.E project, 4th semester) in Apr 2022.
  It helps to control the movement (pick movement, rotational movement, place movement) by using blynk application.
- Project titled **"GARBAGE LEVEL INDICATOR AND RECYCLING" (SMART DUSTBIN)** (B.E Project, 5th semester) in Oct 2022.
  In this Project, the ultrasonic sensor calculates the occupancy by detecting the trash in the dustbin. The distance between sensor and trash is converted to percentage. IFTTT webhook used to get data from Node MCU and send an email whenever the trash level crosses the 70% criteria.
- Project titled **"IOT BASED ENVIRONMENT MONITORING SYSTEM"** (B.E project, 6th semester) in Apr 2023.
  In this project it helps the Detection of Temperature, Humidity, Soil moisture, water moisture, Air quality, Carbon Monoxide in the Environment using various sensor.
- Project titled **"ACCESSING VISUAL INFO BY PERSON WITH VISUAL DISABILITY (PROJECT FROM SMART INDIA HACKATHON)"** (B.E project, 6th semester) in Apr 2023.
  Unlike sighted people, persons with visual impairment rely on alternative formats such as large prints and talking book or tape recordings and electronic resources to meet their reading needs, so along with my team members i did a code which will capture the visual info and give as audio.

- Main Project titled **"ENHANCED SECURITY METHOD FOR IOT BASED VEHICLE CRASH RESPONSE SYSTEM"** (B.E Project) in Apr 2024.
  This project presents an advanced Accident Detection System using Arduino, Thing Speak, GSM, GPS, MEMS sensors, Buzzer, and AES encryption. The system detects accidents via abrupt changes in acceleration using MEMS sensors connected to an Arduino microcontroller. Once detected, GPS pinpoints the accident location, and the GSM module sends encrypted distress messages to nearby hospitals, police stations, and pre-defined family members, ensuring privacy and security. The Buzzer provides an audible alert at the accident site for swift location by responders. AES encryption secures the transmitted messages, maintaining confidentiality and protecting sensitive information. This system effectively ensures prompt accident detection and secure emergency response.

Technical Skills:

- Operating System   : Windows.
- HDL   : Verilog.
- Programming Languages   : C, C++ (Basics),
                            JAVA, JDBC, Servlet, JSP.
- Front-End Technologies : HTML 5, CSS 3, JavaScript.
- Tools   : Xilinx-ISE, Multisim, Model Sim, Tinker cad.

Certifications:

- Certificate of Participation in "**TECHCHARADES & CIRCUTRONICS-TECHNOSUMMIT-2K22"** conducted by Sathyabama.
- Certificate of Learning in **"DRONE TECHNOLOGY & APPLICATIONS"** workshop conducted by **Department of ECE** by Sathyabama.
- Certificate of Participation in **"IP Awareness/Training Program"** conducted by NIPAM (National Intellectual Property Awareness Mission).
- Achieved Certificate **"INTRODUCTION TO INTERNET OF THINGS"** in **NPTEL.**
- Achieved Certificate **"VLSI Design Flow: RTL to GDS"** in **NPTEL.**
- Achieved Certificate for completing the Training on **"IOT DATA ANALYST"** for a period of 13 weeks in **NSIC.**

Co - Curricular Activities:

- Worked as Member of **Math's club (2022-2024).**
- Certificate of Appreciation for securing **FIRST PLACE** in the event **"RANGOLI COMPETITION"** as a part of Sathyabama Cultural Fest.
- Certificate of Appreciation for organizing an event "**FEMTECH 2K23**" on account of Women's Day conducted by **"IEI ECE STUDENT CHAPTER"** of Sathyabama.
- Certificate of Appreciation for active volunteering in the technical event **"TECHNODIUM"** Organized by **Department of ECE** of Sathyabama.
- Awarded with Merit Certificate in **2022-2023** for being Topper.
- Certificate of Appreciation for organizing in the technical event **"TECHNOSUMMIT 2023"** Organized by Sathyabama.

Personal Details:

Father's Name   : T Govardhan
Date of Birth   : 6th October 2002
Nationality   : Indian.
Languages known   : English, Telugu.
Permanent Address   : 2-68, Ganesh Kiranam, Main Road, Teelair,
                        Marikal, Narayanpet, Telangana, 509351.

Declaration:

I hereby declare that the details provided above are true to the best of my knowledge and belief.

Place: HYDERABAD.
Date: 18th April 2025.   **(THALLAPALLI GAYATHRI)**