THALLAPALLI GAYATHRI

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EDUCATION

2020 - 2024

B.E - Electronics and Communication Engineering

Sathyabama Institute of Science and Technology, Chennai

CGPA **:** 9.29

2018 - 2020

Intermediate - MPC

Sri Gayatri College, Hyderabad

Percentage **:** 92.4

2017 - 2018

SSC - 10th Class

Montessori High School, Alampur

CGPA **:** 9.8

TECHNICAL SKILLS

- **Operating System :** Windows
- **HDL** : Verilog
- **Programming Languages :** C, C++(Basics), JAVA, JDBC, Servlets, JSP.
- **Front-End Technologies :** HTML 5, CSS 3, JavaScript, Bootstrap, React JS.
- **Databases :** Oracle, PL/SQL.
- **IDE's :** Eclipse, Sublime, VSC and STS.
- **Tools :** Xilinx-ISE, Multisim, Model Sim, Tinker cad, Maven.
- **Frameworks :** Spring Boot.

CERTIFICATIONS

- Completed **"JAVA FULL STACK"** Course.
- Achieved Certificate for completing the Training on **"IoT Data Analyst"** for a period of 13 weeks in NSIC.
- Completed **"Introduction to Internet of Things"** & **"VLSI Design Flow : RTL to GDS"** in NPTEL.

CO-CURRICULAR ACTIVITIES

- Worked as a Member of **Math's club (2022-2024).**
- Awarded with Merit Certificate in **2022-2023** for being Topper.
- Certificate of Appreciation for organizing an event **"FEMTECH 2K23"** on account of Women's Day.
- Certificate of Appreciation for organizing an technical events **"TECHNOSUMMIT 2023" & "TECHNODIUM"** conducted by Sathyabama.

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.

WORK EXPERIENCE

RPA Intern - UIPATH Automation

OpenText Technologies | 2023 - 2024

- Utilized **UiPath Studio** to design and implement automation solutions for repetitive business processes, enhancing operational efficiency and productivity.
- Optimized existing automation workflows by refining selectors, loops and logic flow, resulting in improved performance and reduced errors.
- Designed and developed end-to-end workflow solutions for various tasks, ensuring seamless integration with existing systems.
- Gained hands-on experience with UiPath tools and technologies, including: Workflow design & development, Selector optimization, Error handling & debugging and Integration with other systems & applications.

PROJECTS

EMPLOYEE MANAGEMENT SYSTEM

Project Link : https://github.com/Gayathri-Github-6/java-project

- Developed a full-stack web application to manage employee records (join, promote, terminate) using ReactJS for frontend, Spring Boot for backend and MySQL database.
- Designed responsive UI with React Components, styled using Bootstrap and built a single-page application with React-router.
- ·Implemented REST APIs and tested them using Postman. Integrated frontend and backend using Axios & built a persistence layer with Spring Data JPA for database interaction with MYSQL.

ENHANCED SECURITY METHOD FOR IOT BASED VEHICLE CRASH RESPONSE SYSTEM (B.E Project) 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 transmitted messages, maintaining confidentiality & protecting sensitive information.
- This system effectively ensures prompt accident detection and secure emergency response.

GARBAGE LEVEL INDICATOR AND RECYCLING (SMART DUSTBIN) (B.E Project, 5th semester) 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.