

# Guggilam Swarnalatha

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## EDUCATION

- Kallam Haranadha Reddy Institute of Technology** Andhrapradesh, India  
*Bachelor of Technology - Electronics and Communication Engineering; GPA: 7.99* July 2020 - May 2024  
*Courses: Digital Electronics, VLSI, Digital Signal Processing, Artificial Intelligence, Machine Learning*

## SKILLS SUMMARY

- Languages:** HTML, CSS, JavaScript, SQL
- Frameworks:** Bootstrap, ReactJS
- Tools:** GIT, MySQL,
- Platforms:** Web, Windows
- Soft Skills:** Leadership, Word, Excel, Problem-solving, Creative

## EXPERIENCE

- VLSI Design - Maven Silicon Softech Pvt.Ltd** Remote  
*Student(Full-time)* Nov 2023 - Apr 2024
  - Overview:** I completed a Virtual Long-Term Internship in VLSI Design at Maven Silicon Softech Pvt. Ltd., organized by the Andhra Pradesh State Council of Higher Education in collaboration with Jawaharlal Nehru Technological University, Kakinada and my college. This virtual internship was a part of my B.Tech in Electronics and Communication Engineering program. It provided an in-depth look into the world of VLSI Design.

## PROJECTS

- Precision Agriculture Checking and Managing Soil Moisture Levels** : Developed and implemented a system for monitoring and managing soil moisture levels to enhance crop yield and water efficiency.Tech: Python (Jan'23)
- Design and Implementation of Multiple Fault-tolerant Parallel Filters for Communication Applications:** Developed robust parallel filters capable of handling multiple faults to enhance reliability in communication systems.Designed fault-tolerant algorithms to detect and correct errors in parallel filter operations.Tech: System Verilog. (Apr '24)
- Figma file:** Trafalgar is dedicated to providing accessible and affordable healthcare through innovative mobile and online solutions. Their services include a user-friendly app for patient engagement, a wide range of healthcare services, and a commitment to customer satisfaction, as evidenced by positive testimonials. This aims to inform potential users about the benefits of using Trafalgar's services and encourages them to take action by consulting or downloading the app.Tech:HTML, CSS(Nov '24)
- Calculator:** The calculator's layout is built using HTML, which includes buttons for digits (0-9), basic arithmetic operations (addition, subtraction, multiplication, division), and functions for clearing all inputs or the last entry.The calculator is styled with CSS to create an appealing and user-friendly interface. The design is responsive, allowing it to adapt to different screen sizes, making it accessible on both desktop and mobile devices.JavaScript is utilized to implement the core functionality of the calculator. It handles user input, performs calculations based on the selected operations, and updates the display dynamically. Tech: HTML,CSS, JavaScript (Nov '24)
- Counter:** This project is a simple web-based counter application built using HTML, CSS, and JavaScript. The primary functionality of the application is to allow users to increment a counter value by clicking a button. Increment Functionality: Each time the user clicks the button, the counter value increases by one. Display: The current value of the counter is displayed prominently on the webpage. Reset on Refresh: The counter resets to its default value of 0 whenever the page is refreshed, as no persistent storage is implemented. Tech: HTML, CSS, JavaScript (Nov'24)
- To-Do list:** This project is a web-based To-Do List application developed using HTML, CSS, and JavaScript. The application allows users to manage their tasks efficiently by adding, viewing, and deleting tasks.Tech:HTML, CSS, Javascript (Nov'24)
- Contact form figma file:** This project is a responsive contact form developed using HTML, CSS, and JavaScript, designed to facilitate user communication with a service or organization. The form is based on a Figma design, ensuring a visually appealing and user-friendly interface. The form is based on a Figma design, ensuring a visually appealing and user-friendly interface. It emphasizes usability, accessibility, and responsiveness, making it a valuable tool for any website seeking to improve user communication.Tech: HTML, CSS, Javascript(Nov'24)
- Music API:** This project showcases the integration of the Spotify Music API, demonstrating the ability to access and manipulate music data effectively. This project is ideal and it highlights skills in API integration, user interface design, and real-time data handling, showcasing the ability to create engaging applications in the music domain.Tech: HTML,CSS,Javascript (Nov'24)

## CERTIFICATIONS

- Certified with Salesforce Developer virtual internship - Oct, 2022
- Certified with 5 Cisco Networking academy - July-Aug,2023
- certified with CISCO-AICTE program - Aug,2024
- certified with VLSI Design internship - Nov,2024
- certified with 3 Great Learning courses - Sep 2022
- certified with Whee box Employability test- Aug 2022