

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,
- Frameworks:** Bootstrap, ReactJS
- Tools:** GIT, Github
- Platforms:** Web, Windows, VS code, NodeJs
- Soft Skills:** Leadership, Word, Excel, Problem-solving, Creative

INTERNSHIP

- 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

- 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 operation Tech: System Verilog (Apr'24)
- Health Hub:** 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)
- Contact form :** 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)
- Weather API:** Developed a weather application that utilizes the Weather API to fetch and display real-time weather data for a specified city. The application is implemented using HTML, CSS, and JavaScript with an emphasis on asynchronous API handling. Explanation: Designed a simple user interface (HTML) for entering the city name and displaying weather details such as temperature, condition, and location. Implemented asynchronous JavaScript functions to interact with the Weather API, handle API requests and responses, and log weather data. Incorporated error handling to ensure robustness against API failures. Linked the JavaScript logic to the UI for dynamic updates (under development). Demonstrated proficiency in working with external APIs and asynchronous programming in JavaScript. Tech: HTML, JavaScript (Dec'24)

CERTIFICATIONS

- Certified with Salesforce Developer virtual internship - Oct, 2022
- Certified with Cisco Cybersecurity Essentials - Aug, 2023
- Certified with CISCO-AICTE program - Aug, 2024
- Certified with Great Learning courses - Sep 2022
- Certified with VLSI Design internship - Nov, 2024