MADHU SUDHAN MANGALI

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CAREER OBJECTIVE

To secure an entry-level position where I can utilize my skills, learn new things, and contribute effectively to the organization's success. I am eager to work in a dynamic environment that encourages growth, creativity, and teamwork while helping me build a strong foundation for my career.

EDUCATION

- **B. Tech** in Electronic and Communication Engineering
  Sree Vahini Institute of Technology, CGPA: 7.5, 2021-2025
- **Intermediate**
  Government Junior College, CGPA: 8.34, 2019-2021
- **SSC**
  Z.P High School, CGPA: 8.7, 2018-2019

TECHNICAL BACKGROUND

Technical skills:

- Front-End Technologies: HTML5, CSS3, JAVASCRIPT(Intermediate)
- Back-End Technologies: PHP
- Databases: MySQL
- Tools: Visual Studio Code, GitHub

PROJECTS

Project 1: IoT-Based Water Quality Monitoring System

Client: SVIST

Duration: Dec 2024 – May 2024

Project Description:

Developed an IoT-based system to monitor water quality in real-time using sensors for pH, turbidity, temperature, and TDS (Total Dissolved Solids). The system transmits data to a cloud platform (Blynk) for remote monitoring and alerts users if water parameters exceed safe limits.

Environment:

- **Hardware:** Arduino/ESP32, pH Sensor, Turbidity Sensor, TDS Sensor, Temperature Sensor
- **Software:** Arduino IDE, Embedded C
- **IoT Platforms:** Blynk
- **Communication:** Wi-Fi/Cables

Responsibilities:

- Designed and assembled the sensor circuit for accurate data collection.
- Programmed the microcontroller to read sensor values and transmit them via Wi-Fi/GSM.
- Integrated cloud platforms for real-time data visualization and alerts.

Project 2: Solar Renewable Resource Energy -Communication Skill Project

Duration: Dec 2022 – May 2023 | **Team Size:** X | **Role:** Team Lead

Project Description:

        Designed an IoT-based solar energy monitoring system to track real-time power generation from solar panels, promoting renewable energy adoption. The project included a **community awareness campaign** to educate locals on sustainable energy benefits, combining technical implementation with public communication.

Key Responsibilities:

- Conducted **presentations** to explain solar energy savings to 50+ residents, improving community engagement.
- Collaborated with local NGOs to distribute multilingual pamphlets and demo kits.

Skills Demonstrated:

✓ **Communication:** Public speaking, workshop coordination, creating awareness content

✓ **Teamwork:** Collaborated with NGOs, engineers, and volunteers

ACHIEVEMENTS

First Prize - Technique Quiz

Awarded first prize in the Technique Quiz **at Sree Vahini Institute of Science & Technology**, Tiruvuru. Demonstrated strong problem-solving skills and in-depth technical knowledge under competitive conditions.

PROFESSIONAL CERTIFICATES

- Certified on "**Web development**" from Rinex.ai.
- Certified on "**Full Stack Web Development**" from Aajhub.
- Certified on "**Practical HTML and CSS**" from Infosys Spring Board.

PERSONAL STRENGTHS:

- **Self- motivated** and **disciplined**.
- Good **Communication skills** and **Flexibility** as per working environment.
- **Active listening**

Declaration: I hereby declare that all the above information is in correct with fact or truth up to my knowledge and I bear the responsibilities for the correctness of the above-mentioned particulars.

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