NARESH BODIREDDY

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Career Objective

Aspiring engineer with a background in Electronics and Communication Engineering. Experienced in developing real-time monitoring solutions and skilled in web technologies and database management. Seeking an opportunity to apply my technical expertise in a dynamic and innovative environment.

Education

Bachelor of Technology (B. Tech) - Electronics & Communication Engineering

Jawaharlal Nehru Technological University, Anantapur (JNTUA) | 2020 - 2024 | 73.26%

Intermediate (M.P.C)

Sri Chaitanya Junior College | 2018 - 2020 | 9.46 CGPA

SSC

Z. P. High School Allamadugu | 2018 | 9.2 CGPA

Project

Plant Growth Monitoring System using IoT

Designed and implemented a real-time IoT-based system to automate the monitoring of environmental factors essential for healthy plant growth. The system utilizes a network of sensors to measure soil moisture, temperature, humidity, and light intensity. The data is then transmitted to a central microcontroller. The real-time data is visualized through a user-friendly web interface, enabling informed plant care decisions. Additionally, automated alerts for critical thresholds ensure timely interventions.

- **Tools:** Arduino Uno, ESP32
- **Sensors:** Soil Moisture, DHT11/DHT22, Light Intensity, pH, Air Quality
- **Technologies:** IoT, Embedded Systems

Result: Enabled data-driven growth optimization with real-time insights

Certifications

Python Programming Foundation - GeeksforGeeks (2024)

Introduction to Internet of Things - NPTEL (2023)

Skills

- **MySQL**: Familiar with MySQL, with experience in writing basic database queries, data manipulation, and database management.
- **Python**: Proficient in Python, with a solid understanding of fundamental programming concepts and problem-solving.
- **HTML**: Skilled in structuring web pages and content using HTML.
- **CSS**: Capable of designing and styling responsive web pages using CSS.
- **Tailwind CSS**: Experienced in using Tailwind CSS to build modern, utility-first, and responsive designs.
- **JavaScript**: Knowledgeable in JavaScript for implementing interactivity and dynamic behavior in web applications.

Declaration

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.

Date: Signature:
                                                                                                                          Naresh