

NARESH BODIREDDY

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Career Objective

Aspiring **Electronics and Communication Engineer** with expertise in **real-time monitoring systems, IoT, and embedded systems**. Proficient in **web development technologies** including **React, JavaScript, Tailwind CSS**, and **backend database management using MySQL**. 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 and Automation Using IOT

Designed and implemented a real-time **IoT-based system** for automating the monitoring of **environmental parameters** crucial for optimal **plant growth**. The system integrates a **network of sensors** to measure **soil moisture, temperature, humidity, and light intensity**, transmitting data to a **central microcontroller** for processing. A **user-friendly web interface** enables real-time **data visualization** and analysis, facilitating informed **decision-making** for plant care. Additionally, the system features **automated alerts** triggered by predefined **threshold values**, ensuring timely interventions to maintain ideal growing conditions.

- **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

Technical Skills

- **Programming:** Python, SQL
- **Frontend:** HTML, CSS, JavaScript, Tailwind CSS, React
- **Backend Framework:** Django
- **Database:** MySQL

Certifications

- Introduction to Internet of Things - NPTEL (2023)
- Python Programming Foundation - GeeksforGeeks (2024)

Declaration

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

Date:

Signature:
Naresh