

VENKATESH MALLEDDI

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ABOUT

Motivated Electronics & Communication Engineering student with a strong interest in **Embedded Systems, IoT, and Programming**. Skilled in **Python, Embedded C, and Java (Basics)** with hands-on experience in **Arduino, ESP32, and sensor interfacing**. Passionate about developing **automation and IoT-based solutions** while continuously enhancing technical and problem-solving skills.

EDUCATION

- **B. Tech, Electronics & Communication Engineering** – Godavari Institute of Engineering & Technology (Autonomous), 2022 – 2026
- **Senior Secondary (MPC)** – Bhashyam Junior College, 2020 – 2022
- **Secondary School** – Bhashyam High School, 2020

SKILLS

- **Programming:** Python, Embedded C, Basics of Java
- **Technologies:** Embedded Systems, IoT, Arduino, ESP32
- **Soft Skills:** Time Management, Leadership, Problem-Solving

PROFESSIONAL EXPERIENCE (INTERNSHIPS)

- **Artificial Intelligence Intern – AIMER**
 - Built an AI-powered Telegram Chatbot using Python and Telegram Bot API.
 - Implemented real-time conversation handling and intelligent automation.
- **Embedded Systems Intern – APSSDC**
 - Designed Arduino & ESP32-based automation projects.
 - Integrated sensors for real-time monitoring and optimized performance using Embedded C/Python.

PROJECTS

1. Telegram Chatbot

Technology: Python, Telegram Bot API, NLP

- Developed an AI-powered chatbot that enables intelligent, real-time conversations.
- Implemented natural language processing (NLP) for smart responses.
- Integrated with Telegram platform for easy user interaction.
- Improved response accuracy and provided a scalable conversational platform.

2. Automatic Plant Watering System

Technology: Arduino Uno, Soil Moisture Sensor, Embedded C

- Designed and implemented a smart irrigation system using Arduino Uno.
- Automated plant watering based on soil moisture levels.
- Enhanced water efficiency and reduced human intervention through IoT-based monitoring.
- Reduced manual intervention and improved water efficiency.

CERTIFICATIONS

- VLSI System Design – SkillDzire
- Artificial Intelligence – AIMERS

- Basics of Python – Infosys Springboard
- Beginners Java – Infosys Springboard
- Embedded Systems – APSSDC

Personal Details:

- Name: Malleddi Venkatesh
- Date of Birth: 22-Apr-2005
- Languages Known: Telugu, English
- Address: Hyderabad