

VADADA LALITHA

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CARRER OBJECTIVE

Seeking a challenging position in Electronics and Communication Engineering to apply my technical knowledge and problem-solving skills. Committed to continuous learning and professional growth in the field. Passionate about innovation and emerging technologies.

INTERSHIPS EXPERIENCE

Intern, Smart Factory Automation with IoT

National Institute of Technology (NIT), Warangal | MAY 2024-JUNE 2024

- Gained hands-on experience in **Automation, Mechatronics, Robotics, IoT, and Smart Factory Systems**.
- Worked on real-time industrial applications, integrating IoT for smart manufacturing solutions.
- Developed a strong understanding of **industrial automation processes** and control systems

PROJECTS

Smart Parking System – Internship Project, NIT Warangal

Developed an IoT-based parking system using sensors for real-time vehicle detection and automation.

Accident Detection and Environment Monitoring Using Road Studs as Sensor Nodes – Final Year Project

Designed a smart system using sensor nodes for real-time accident detection and environmental monitoring on roads.

TECHNICAL SKILLS

C language
Microprocessors&controllers
IOT&Automation

Python
Ladder programming
Digital&analog Electronics

Embedded systems
PCB Design
Embedded C

TOOLS

PCB Design Tools: ORCAD

Embedded & IoT Tools: Arduino IDE, Raspberry Pi, ESP32, NodeMCU

Simulation & Design: MATLAB, Tinkercad

Programming & Development: Keil, S71200&TIA portal

Communication Protocols: UART, SPI, I2C

EDUCATION

BACHELOR'S IN ELECTRONICS AND COMMUNICATION ENGINEERING	2022-2025
Lakkireddy Balireddy college of Engineering-8.5CGPA	
DIPLOMA IN ELECTRONICS AND COMMUNICATION ENGINEERING	2019-2022
Government Polytechnic college-7.77CGPA	

ADDITIONAL INFORMATION

CERTIFICATIONS:Smart factory automation with IOT ,PCB Design and Internet of Things

INTRESTS:Volley ball,Reading books,Learning new things ,Dance and Watching movies