Resume

Guru Subramaniam R

3rd Year Electronics and Communication Engineering Student

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Objective

Motivated and detail-oriented Electronics and Communication Engineering student with hands-on experience in embedded systems and IoT projects. Seeking opportunities to leverage my technical and problem-solving skills in innovative and challenging environments.

Education

B.Tech in Electronics and Communication Engineering

Vellore Institute of Technology (VIT), Vellore

Expected Graduation: [Year]

- Relevant Coursework: Embedded Systems, Internet of Things, Microcontrollers, Wireless Communication

Technical Skills

- Programming Languages: C, Python, Embedded C, Arduino IDE

- Hardware Platforms: ESP32, Arduino, Raspberry Pi

- Software & Tools: MATLAB, Proteus, Multisim

- Communication Protocols: NFC, WiFi, Bluetooth, UART, I2C

- Other Skills: PCB Design, IoT System Development

Projects

Multiple Gas Detector using ESP32

- Designed a gas detection system capable of monitoring gas concentrations.

- Integrated WiFi and Bluetooth modules to send alerts (safe/alert) in real time.

- Utilized LEDs and an LCD screen for visual indication and data display.

NFC-Based Hackathon Project

- Conceptualized an innovative project utilizing NFC technology.

- Developed a prototype for seamless data transfer and identification using NFC-enabled devices.