Vishal P P

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Education

Government engineering college Kozhikode

BTech

Government polytechnic college *2023*
Meenangadi

Electronics engineering
9.65

Skills

| Embedded systems |
VLSI design	Digital electronics
Analog electronics	PCB design
C programming	Python
Embedded c
Assembly language

Objective

Aspiring Electronics and Communication Engineer with a strong foundation in circuit design, embedded systems, and communication technologies, programming languages like c, python . Seeking a challenging role to apply my technical skills, problem-solving abilities, and innovation in developing cutting-edge electronic solutions. Passionate about research and development in emerging technologies like IoT, VLSI, and wireless communication.

Experience

Edutantr
Campus marketing executive *2024*

Promoted Edutantr's educational programs and services within the campus, increasing brand awareness and student engagement.

Developed and executed marketing strategies, including social media promotions, event organization, and peer networking.

Conducted market research to understand student needs and preferences, contributing to targeted campaign improvements.

Facilitated workshops, webinars, and interactive sessions to drive enrollments and participation.

Collaborated with the company's marketing team to optimize outreach efforts and enhance promotional effectiveness.

Chairperson
Robotics and automation society *2025*

Led and managed the Robotics and Automation Society, fostering innovation and technical excellence among students.

Organized workshops, technical talks, and hands-on training sessions on robotics, automation, and AI.

Coordinated with industry professionals and academicians to conduct expert lectures and mentorship programs.

Supervised and guided teams in robotics competitions, hackathons, and research projects.

Spearheaded outreach programs to promote robotics and automation awareness among students and local communities. Managed administrative responsibilities, including budgeting, event planning, and team coordination, ensuring the smooth functioning of society activities.

Project

Gesture vocalizer
1. Sensing Gestures:

Attach flex sensors (for finger bending) or an MPU6050 accelerometer (for hand motion) to a glove.

When you move your hand, these sensors detect changes in position.

2. Processing Data:

The ESP32 reads the sensor values.

It compares the values with predefined gestures stored in the code.

3. Generating Speech:

When a gesture matches, the ESP32 sends a command to a DFPlayer Mini (which plays pre-recorded audio) or uses a text-to-speech (TTS) module to generate speech.

A speaker or buzzer outputs the corresponding word or phrase.

Medication reminder
1. User Inputs Time:

A 4x4 keypad lets the user set reminder times.

A DS3231 RTC module keeps track of time.

2. Reminder Activation:

When the current time matches a reminder time buzzer beeps.

3. Medicine Dispensing:

A servo motor rotates to release the correct medicine from a storage compartment.