

Voice-controlled and light-controlled module program



Overview

In this tutorial, we build a voice-controlled LED system using the ESP32-S3-BOX-3 development board, combining wake word detection, speech recognition, touch interface, and audio feedback to create an intelligent control system. Voice control has become an integral part of modern smart home automation. Beginner-Friendly: Perfect for newcomers to Arduino and Bluetooth technology. Gain practical knowledge of how to work with the HC-05. Connected LED lights to the Arduino and controlled them by using voice commands through a smartphone connected to the bluetooth module. It utilizes Python's speech recognition module and Arduino Uno's PWM capabilities for controlling the LED bulb's intensity. Additionally, it incorporates a screen display to show.



Article Content

Control lights by voice commands and keys

In this tutorial we will see how to create a device to control lights by voice commands, with a module from geeetech.

ESP32-Powered Voice-Controlled LED Lighting System

Explore comprehensive documentation for the ESP32-Powered Voice-Controlled LED Lighting System project, including

Smart Home STEM Project: Voice Controlled Lights Arduino

Imagine walking into a room and saying “lights on” — and they turn on. No switches, no apps, just your voice. This

Voice-Controlled-Lights-Arduino

Working Arduino will be checking the incoming values all the time and controls the LEDs as per the voice command. Arduino will turn

praveensg0/Voice-Control-Arduino

This project demonstrates how to control an LED bulb and other devices using voice commands through Python and Arduino. It

Voice Activated LED Controller with Touch Interface Using ESP32S3

In this tutorial, we build a voice-controlled LED system using the ESP32-S3-BOX-3 development board, combining

Voice Controlled Home Automation Using Arduino – Robocraze

Control lights and appliances with your voice using Arduino and a Bluetooth or WiFi module. Full parts list, circuit and code for a

Light and Fan Control with Voice

In this, tutorial on building a voice-controlled smart home system! In this video, we'll guide you through the process of

Bluetooth Project : Voice Controlled Led

With our Bluetooth Project, you can do just that! This exciting and straight forward tutorial will show you how to control

Building a Voice-Controlled Light Switch

This step-by-step guide covers the components, wiring, and programming needed to automate your home lighting with

Contact Us

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