Abhay Soni

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2001/09/11

github.com/abhaysoni512

Professional Experience

2024/09 – present
Pune, India

Software Engineer
GS LAB | GAVS

- Production Team Member – Media Processing Platform (MPP) under Avaya's Experience Portal
- Responsibilities - Solved real-time customer issues related to core dumps, bugs, and configuration changes, enhancing the stability and reliability of Avaya's Experience Portal.
- Key Skills and Tools -

Debugging: Utilized GDB for in-depth analysis and resolution of core dumps and bugs, improving system uptime.

Software Tools: Proficient in Jira for issue tracking, Confluence for documentation, Jenkins for CI/CD workflows, Bitbucket for version control, and Siebel for customer relationship management

Education

2024/03 – 2024/08
Pune, India

PG-DESD
CDAC's SunBeam Institute of Information Technology
-Stream: Embedded Design System

- Percentage: 73.86

2019 – 2023
Gwalior, India

BTech
Madhav Institute Of Technology And Science

- Stream: Electronics Engineering
- CGPA: 8.92
- GATE AIR 376 IN

2018 – 2019
Indore, India

Class 12
Ever Green Eng H S School

- Stream: PCM
- Percentage: 86.40
- School Topper

2016 – 2017
Rewa, India

Class 10
Gyanasthali Vidyalaya Huzoor Rewa MP

- Stream: General
- CGPA: 10
- School Topper

Projects

Smart RFID & Password based door locked system using stm32
Embedded C (*STM32 MICROCONTROLLER*)
Developed a smart door lock system using STM32F407G-DISC1, RFID RC522, I2C LCD, SG90 servo motor, and a 4x4 keypad to enhance security and access control. The system allows users to unlock the door through RFID authentication or keypad input, with real-time status displayed on the LCD. The door lock and display operations are carefully synchronized to ensure smooth and reliable performance. Future scope includes integrating Wi-Fi/Bluetooth for remote access, adding biometric authentication, implementing an alert system for unauthorized access notifications, optimizing power management, and adding data logging features for security audit

Gas/Smoke detecting alarm system
Arduino UNO, MQ-5 Gas Sensor, SIM900A GSM Module, LCD, Buzzer.
Developed an IoT-based gas leakage detection and alert system using Arduino Uno to enhance safety in domestic, workplace, and storage environments. The system utilizes the MQ-5 sensor to detect hazardous gases like propane, iso-butane, LPG, and smoke. When a gas leak is detected, the sensor output triggers the Arduino Uno, which activates an LCD for real-time monitoring and a buzzer for immediate audible alerts. The system also incorporates a SIM900A GSM module to send SMS notifications to predefined mobile numbers, ensuring timely alerts to users in the event of a gas leak. This project demonstrates expertise in sensor integration, data processing, and real-time alerting, providing a reliable solution for gas leakage monitoring.

Laser Security System
Operational Amplifier, IC 555, Light Detecting Resistor, Buzzer, Potentiometer, Laser Diode.
Developed an advanced laser security system that utilizes a comparator circuit with an op-amp, LDR, and 555 timer IC to create a reliable security solution. The system detects interruptions in a laser beam and triggers an alarm when a security breach occurs, using a buzzer to alert users. The design ensures effective monitoring and immediate notification of unauthorized access. Future enhancements include integrating a GSM module for SMS alerts, enabling real-time notifications and remote monitoring to further bolster security and response capabilities.

Skills

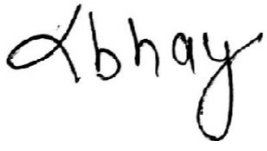
Embedded C Programming	●●●●○	**C++**	●●○○○
Operating Systems	●●●○○	**GIT**	●●●●○
Microcontrollers Programming & Interfacing	●●●○○	**Internet Of Things**	●●●○○
RTOS	●●●○○		

Languages

- Hindi
- English

Declaration

I hereby declare that the information given above is true to the best of my Information knowledge belief.



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Pune, Maharashtra