

Guddu Singh Lodhi

OBJECTIVE

Increase our knowledge and skills to work with a company that appreciates innovation so that i can enhance my knowledge and skills in my domain Embedded to give my best for mutual growth.

EDUCATION

Sagar Institute of Science Technology & Research, Bhopal, MP

Bachelor of Technology 2019 - 2023

Electronics & Communication

8.45 CGPA

Saraswati Higher Secondary School, Banda, MP

12th | MPBSE | 83.60% 2019

10th | MPBSE | 83.50% 2017



WORKING

CONTACT

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<https://www.Todayesport.com>



SKILLS

- Embedded System
- C , C++ , IoT
- Arduino ide, Renesas, Microchip
- ESP32, ESP8266,
- ATmega, STM8, Renesas RA211
- Communication I2C, UART, SPI, Gsm https
- PCB Designing, Carbon PCB
- PCB Step file 3d alignment
- Circuit and Schematic design

OTHER SKILLS

- Hall sensor , Accelerometer, Zigbee, GSM A7672s, STM8
- LT Spice, CRO (oscilloscope)
- Proteus 8 Simulation , PCB
- Circuit Troubleshooting
- Soldering
- VS Code

INTERESTS

- Hardware & Software Design
- e-Sports

LANGUAGES

- Hindi
- English

PERSONAL DETAILS

Date of Birth : 23/03/2002

Father Name : Mr. Devi Singh Lodhi

Embedded System Engineer

Aviconn Solutions pvt Ltd: (Feb 2024- to current)

- Work on Embedded System, C, C++, Embedded c, IoT, protocol https, Microcontroller ESP32, ESP8266, ARM, AVR, Renesas RA211, stm8, Zigbee, microchip, Arduino, WiFi, Ble.
- Work on I2C, SPI, UART Protocols
- GSM Module, AT command, lot Server
- Segment Pixel LCD interfacing & Write driver code
- Hall sensor TMAG5173 driver code on I2C
- Accelerometer MC3479 driver code, interfacing on I2C
- Work on RF cc1101 Wireless communication.
- ADC, Isolator, Measuring IC ADE7953.
- STM8 Remote Design, Evaluation board design of metering ic voltage current measuring.
- SMPS schematic, PCB Design, Carbon layer pcb design
- Schematic, PCB Layout design 2, 4 layer , Proteus Simulation, CRO occsilloscope, LT Spice, PCB Design tool Altium, Proteus
- PCB step file alingment with encloser box
- Troubleshooting tools, Debugging, Smart Energy Meter

R&D Engineer

Autobot Robotics pvt ltd , Bhopal MP.

Dec. 2022 to Feb 2024

- Work on Embedded System, C, Embedded C, IOT, PCB Designing, Circuit Design.
- Microcontroller - AVR, Atemega328p, Arduino, ESP32, ESP8266, ESP32-Cam, Arduino nano, uno etc.
- Better in SPI, UART or I2C protocol & related tools.
- Hardware & Software Development.
- Designed Electronics & AI&ML projects for stem education.
- Take Lecture online on AI in MPSOS Govt School.



INTERNSHIP

Electronics Engineer Interns

Ready AutoMotive Technology LLP, Virtual 3 months

Here working on electronics project & sensor, Also designs the projects and there PCB like weighing scale. & send sensor data on cloud. Worked on ESP32 microcontroller.

PROJECTS

Smart Energy Meter

Key skills:- Embedded system, C, Schematic PCB design, Renesas controller RA2L1, Stm8, GSM, Zigbee, hall sensor, Accelerometer, Ade7953, Ade7878, Electrical Equipment.

Description :- A smart energy meter measures real-time electricity consumption, both prepaid and postpaid billing options. It includes tampering detection and remote control features for enhanced security and user convenience CIU unit.