

TRIBHUVAN SONALI S.

Objective

Passionate Embedded Software Engineer with a Bachelor’s of Engineering degree in Electronics and Telecommunication, seeking a career opportunity in your organization which has a good growth prospects and where I can enhance my skills.

Education

Sr. No.	Qualification	School/College	Board/ University	Percentage/ CGPA	Passout Year
1.	Bachelor’s of Engineering	Pune Institute of Computer Technology	SPPU	8.69	2023
2.	Diploma	Latthe Education Society’s Polytechnic, Sangli	MSBTE	93.65	2020
3.	10th	New English School, Miraj	SSC	85.80	2017

Certification

- Successfully Completed **Advance Diploma in Embedded Systems and IoT** from **Teknomindz Institute, Pune** (Duration: June 2024 – December 2024)
- Successfully completed **Industrial training** at **Orbit Solutions Pvt, Ltd.,Sangli** (2019)
- Successfully completed **IoT workshop** held at **Latthe Education Society’s Polytechnic, Sangli**

Skills

Software Skills:

- C programming
 - Python
 - Linux
- Embedded C
 - Embedded C++
 - Circuit Simulation

Hardware Skills:

- 8051
 - PIC Microcontroller
 - Raspberry Pi
- ARM7 Cortex M0
 - ESP32
 - Basic electronics

Software Tools:

- Keil uVision
 - MPLAB IDE
 - Python IDLE
- Proteus Professional
 - Arduino IDE
 - CodeBlocks

Other Skills:

- Communication Protocols - UART, I2C, SPI, CAN, RS-232

Projects

Sr. No.	Title	Microcotroller	Skills/ Hardware	Description
1.	LoRa based Chemical plant monitoring system	ARM 7	LoRa Transceiver, LM35,MQ6, MQ135	This system is used to calculate the air toxicity percentage transmitted and received through LoRa and then display the value on LCD.
2.	Smart Car Driver System	Microchip PIC	ADXL,MQ3, Buzzer,Switch,	It prevents the driver from dizziness and also checks if he/she has consumed alcohol, if so, then the car won't start.
3.	Door lock system with manual interactions	PIC, 8051	UART, LCD, Keypad, LED	If an authorised person selects a password on daily basis, the same password need to be entered by the remaining people who needs to enter the department.
4.	3-level based Women Safety System using IoT	ESP32	Servo Motor , GPS	Whenever a women feels unsafe, she can send a SOS message to the selected people and her location will be sent to them.
5.	Drain collection Robot	8051	Motors, Conveyor belt, Container, HC-05,wheels, Battery	The Robot is operated via Bluetooth. It can move in any direction. Drain is collected in the container.

Personal Details

- **Name:** Sonali Sanjay Tribhuvan
- **Date of Birth:** 16 May 2001
- **Contact No.:** +91 9021974911
- **Email Id.:** sonalitribhuvan1216@gmail.com
- **Marital Status:** Unmarried
- **Address:** Satavwadi, Hadapsar Pune
- **Languages:** English, Marathi, Hindi

Declaration

I hereby declare that the information provided above is true and correct. I assure you that my skills and qualifications meet the requirements of the job.

Place:- Pune

Date:-