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# HARSHAD BAJARE

## EMBEDDED SOFTWARE ENGINEER

### SUMMARY

Looking for challenging career opportunity in dynamic organization corresponding to my qualification and work experience. To use my knowledge and skills for fulfillment of company goals and objectives.

### KEY SKILLS

EMBEDDED C C 8/16/32 bit I2C SPI UART ADC GSM TIMER INTERRUPT

### PROFESSIONAL EXPERIENCE

#### Embedded Software Engineer

Feb '21 - Present  
warje,Pune

#### Infoengine

- Hands on programming experience in **Embedded C**.
- Able to read any datasheet and do the programming according to that.
- Learn the internal programming structure of microcontroller. How to shifting the data and masking the bits.
- Have the knowledge of Timers and Interrupts and how to calculate the delay.
- Transmit and received the data by using particular baudrate.
- Working on software interfacing LEDs, LCD, 7 Segment Display, Keypad, DC Motor, IR sensor, RF Modules, RTC, Stepper Motor. Interfacing **GSM** and **GPS** module.
- Interfacing using **I2C** and **SPI** Protocols.

### EDUCATION

#### B.E (ENTC)

May '15 - Nov '20  
Pune-411041

#### Sinhgad Institute's SKNCOE

Savitribai Phule Pune University

#### HSC in science

Jun '14 - Feb '15

#### New Arts, Commerce and Science college

Wardha-442001

Maharashtra State Board

### PROJECTS

- Real time digital systems using PIC microcontroller
  - used PIC18F4580 microcontroller interface with RTC module DS3231
- Data storage system using PIC microcontroller
  - store the data in a EEPROM module NXH5104 by interfacing with the PIC controller using SPI protocol.
- Wireless car using 8051 microcontroller
  - used AT89C51 microcontroller interface with bluetooth module HC05 using UART.
- Advanced irrigation system using ARM7 controller.
  - used LPC2148 controller interface with a GSM SIM900A module using UART.