

# RESUME

**Shwetlana Devidas Tandel**

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**Total Experience:** 1 year 1 month in Embedded Systems.

## OBJECTIVE

To pursue a challenging career and explore career options in the EXTC sector to enhance my knowledge and skills for the growth of organization and myself.

## EDUCATIONAL QUALIFICATION

Course	Institute	Board / University	Year	%Marks
BE(EXTC)	Dilkap Research Institute of engineering and Management studies, Neral	Mumbai University	2018	CGPI - 7.49
HSC	St. Merry's Jr. College, Vashi	Maharashtra State Board	2014	74.36
SSC	D.A.V public school	Maharashtra State Board	2012	86.55

## TECHNICAL SKILLS

**Languages:** C, Assembly Language, Embedded c,

**Platforms:** Windows 7/8/10.

**Web Technologi :** HTML

**Software:** Pinnacle, Kelil, Turbo c, Diptrace, Flash Magic, Hyperterminal, MPLAB.

**Hardware:** soldering, PCB designing, Testing by Multimeter, oscilloscope,logic analyzer,Docklight,Beyond2Compare,.

**Controllers:** STM8S003K3, PIC16F15354, PIC18F26K40, 8051,dsPIC33EP64MC206.

**Communication Protocol:** UART,I2C,CAN,SPI

## Projects

- Centrifuge machine
  - STM8S003K3 & TI controller for motor board.
  - Different rotors are used for different RPM.
  - Rotors so every rotor can be identified after running motor on 800 RPM.
  - UART used for communication between 2 boards.
- Tube Stripper:
  - Controller : STM8S003K3
  - Battery : Lithium ion battery- Rechargeable
  - Display : LED will blink to show status of battery
  - Sleep mode to save power
- Tube Sealer
  - Controller : STM8S003K3
  - Display : LCD Display, character display to show battery status.

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4. Magnetic Stirrer
  - a. STM8S003K3
  - b. This machine rotate with set rpm .
  - c. This is used in pathology lab.
5. Colony counter
  - a. Led panel on with PWM to control the lighting.
  - b. Other is UV light .
  - c. This lights get on and of in particular states.
6. Motor Drive
  - a. dsPIC33EP64MC206 controller
  - b. Ongoing project

### College Projects

#### Academic Projects:

- **Solar power smart agriculture (Final year project)**

The main objective of this project is to make our farming advance in which manpower is required , in this project blind farmer can also use this as it requires to give command on phone only and action will take place on field. This project is very useful for poor farmer because it also can be useful in small farm .

Language: embedded c

Software used: Diptrace, Keil

Team Size: 4

- **Digital dice:**

It is useful in games in which random number is required.

Team Size: 3

### CO-CURRICULAR ACTIVITIES

- Attended workshop on robotics .
- Attended CCNA workshop
- Cleared Elementary and intermediate exams .

### INTERESTS

- Embedded C Programing
- Soldering

### Company Details

- N.N. Technology Solution  
Duration: 16 May 2019 to Present
- Aetron pvt.ltd  
Duration: 3 months

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## ADDITIONAL QUALIFICATION

- PGDM in embedded systems from prolific Thane  
Topics -  
Microcontroller Programming , Embedded C Programming, I2C, SPI, CAN Bus,  
ARM, Robotics, RTOS, PIC Microcontroller, Embedded Linux, Internet of  
Things(IoT), PCB designing, Arduino.  
Project -  
Data logger, Calculator, Calendar and watch by RTC,

## PERSONAL DETAILS

**Date of Birth:** 30 July 1996

**Gender:** Female

**Languages known:** English, Marathi, Hindi

**Permanent Address:** At. Karave, Po. Nerul, Dist. Thane, House no 851, Seawoods, Navi  
Mumbai 400706.

I hereby declare that all the above given information provided by me is true at the best of my  
knowledge.

Place : Navi mumbai

Shwetlana Tandel

Date :

Signature