

RESUME



NAME: SANTOSH NAMDEO TALPE

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ENTRY LEVEL POSITION

For Embedded Developer

Location Preference: Anywhere in India

Industry Preference: Software/Hardware

CAREER OBJECTIVE

I am looking for core job in embedded field which can help to enhance my embedded developer skills and provide me ample opportunities to show my abilities and skills to put my knowledge to the best of its use to contribute the success of an Organisation.

ACADEMIC DETAILS

EXAMINATION	UNIVERSITY / BOARD	YEAR	PERCENTAGE
Diploma in Embedded System	IDEMI, Mumbai (A Govt. of India Society)	2015	Grade A
Degree In Electronics Engineering	Savitribai Phule Pune University	2015	62.46%
Diploma In Electronics & Telecommunication	CWIT, Pune (Autonomous Institute)	2010	63.69%
H.S.C.	Maharashtra State Board	2007	54.00%
S.S.C.	Maharashtra State Board	2005	70.80%

TECHNICAL SKILL SET

- **Operating systems:** Window XP, Windows Vista, Windows 7 & 8
- **Programming languages:** C, Embedded C, Assembly
- **Knowledge of programming:** 8/16/32 bit microcontrollers such as 8051, PIC, AVR and ARM7
- **Knowledge of interfacing:** 7segment display, LCD, keypad, motors, ADC/DAC
- **Communication protocols:** UART, SPI, I2C, CAN etc.
- **Software and tools :** Microsoft Office Word, Microsoft Office Power Point, NI-Multisim, PSIM, Proteus- ISIS & ARES, Xilinx IDE, Micro wind, Keil uVision IDE, Flash Magic

- **Final year project: Industrial automation using mobile SCADA**

- **Duration:** July 2014-May 2015
- **Domain:** Embedded Hardware and Software
- **Team Size:** 3
- **Role Played:** Designer and Tester
- **Tools Used:** VB6, PL2303 Driver, B4A App Developer, BASCOM_AVR
- **Platform:** Windows
- **Objective:**

In this project we have developed an integrated wireless SCADA (Supervisory Control and Data Acquisition) system for monitoring & accessing the performance parameters of industrial processes such as temperature, pressure, speed and humidity on real time basis using AVR microcontroller ATMEGA 16.

- **Third year mini project: Remote location monitoring system**

- **Duration:** Jan 2014-May2014
- **Domain:** Embedded Hardware and Software
- **Team Size:**3
- **Role Played:** Designer, Developer and Tester
- **Tools Used:** Proteus, Keil, Flash Magic, VB6, 8051 Development Tool
- **Platform:** Windows
- **Objective:**

In this project we have implemented various sensors on RC vehicle such as temperature sensor, light sensor, humidity sensor and gas detector using AT 89S52 microcontroller. This work finds a rescue robot, which is used for detecting the explosion environment of coalmine and rescuing miners who are trapped in the underground coalmine after gas explosion.

- **Diploma project: Aqualand robotic vehicle**

- **Duration:** Jan 2010-Apr 2010
- **Domain:** Embedded Hardware and Software
- **Team Size:** 3
- **Role Played:** Designer, Developer and Tester
- **Tools Used:** Keil, Flash Magic, VB6, 8051 Development Tool
- **Platform:** Windows
- **Objective:**

Behind this project our aim is to construct the smart solution for a security purpose. For that we have designed a robotic vehicle which is capable of moving on ground as well as in water with the help of an 8051 microcontroller for spy purpose. Spy camera mounted on the vehicle has a flexibility of a 360 degree movement horizontally and 180 movements vertically that continuously sends the data to remote location.

PARTICIPATIONS

- Participated in the course 'C' programming language of two month duration conducted by Data-Pro education and training centre Pune.
- Participated in the international conference 'National Student Parliament' held at GH Raisonni College of Engineering & Management Nagpur
- Participated in robotics workshop conducted by Qualden Technologies Pvt. Ltd.

PAPER PRESENTATION

- Participated and presented paper under the title 'Industrial automation using mobile SCADA' in International conference ICTRPCS-2015

PERSONAL DETAILS

Address	Plot no.31, 509, Jayprakash Nagar Pune. Pin code- 411 032.
DOB	11 th November 1989.
Languages Known	Marathi, Hindi & English.
Marital Status	Single.

DECLARATION

I hereby declare that the information furnished above is true to best of my knowledge.

Yours truly,
Santosh N. Talpe.