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1 Career Objective

Looking for an internship program where I could learn under working professional to gain knowledge and improvement of my skills by giving some input to the organization.

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2 Education

Sr no	class	Institution	board	score	passing year
1	TY	walchand coe sangli	SUK	8.15	on going
2	SY			8.1	2016-17
3	FY			8.15	2015-16
4	HSC	Jawahar Navodaya Vidyalaya Sindhudurg	CBSE	90.8%	2013-14
5	SSC			90.4%	2011-12

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3 Projects

1. **Spotter Snake**
   - E-yantra robotics competition by IITB. **(Aug 2017-Mar 2018)**
   - Designing and building of a biomorphic robot that resembles a snake capable of traversing different terrains and can be used to detect rodents present in warehouse.
2. **Braille watch**
   - Ignited Innovators of India by COE Pune and EATON. **(Nov 2017-Mar 2018)**
   - The project is based on braille language used by blind people to read the text. We have used a microcontroller MSP430G2253 and RTC module to actuate the linear actuator which will display time in braille format when requested by user
3. Line Following Based Multipurpose System for Hospitals:
   - India Innovation challenge design contest by Texas Instruments and IIM Bangalore.**(Quarter final ongoing)**
   - Our idea is to make a clone of sweeper robot and delivery robot to perform multiple tasks semi-autonomously and autonomously.
4. **Anti-pilferage and anti-adulteration system for fuel road tankers**

- Smart India Hackathon 2017**(Stage to ongoing)**
- System addresses the problem of pilferage and adulteration of fuel tanks en-route from terminals to retail outlets by continuous monitoring of location, level, pressure and temperature parameters with cloud connectivity also ensuring emergency management.

5. **Waveform generator**
   - TY B-Tech Mini project**(Jul 2017-Dec 2017)**
   - Designed a system to generate waveform using PWM and also using DAC module of LPC2148 microcontroller

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4 Workshops

- Low Power Microcontroller on MSP430 organized by Electronics department, WCE Sangli.
- Python organized by WLUG (Walchand Linux User Group).
- Proteus professional by ELESA (ELectrinics Engineering Student's Association).

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5 Technical Skills

1. **Languages:**
   C, Python, C++, Java (novice), VHDL, Verilog, HTML CSS.
2. **Microcontroller Known:**
   P89V51RD2 (8051), MSP430G2553, MSP432P401R, LPC2148, ATmega 328.
3. **Software known**
   - **Circuit simulation and PCB designing:**
     Eagle, Altium Proteus professional, Multisim, Webench(TI), PSIM
   - **Robotic simulation**
     VREP (Virtual Robotics Experimentation Platform)
   - **IDEs**
     Energia, u-Vision, Xillinx, CCS, Arduino, Atmel Studio
   - **Computational tools:**
     MATLAB, LabView
   - **3-D designing and animation:**
     Autodesk Fusion360, Blender
