Name: Sachin Mahadev Jadhav
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1 Career Objective:

Utilization of knowledge and Technical skills along with design abilities to promote growth and development of the organization and self by implementing my innovative ideas, skills and creativity.

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2 Academic Details:

Sr No:	Class	Year of Passing	institute	Grades
1.	TY B.Tech	2017-18		9.3
2.	SY B.Tech	2016-17	WCE,Sangli	9.12
3.	FY B.Tech	2015-16		8.78
4.	HSC	2014-15	Dayanand Science college,Latur	91.38
5.	SSC	2012-13	Renuka Vidyalay Bhokaramba	91.45

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3 Projects Undertaken:

1. Biomorphic Hyper Redundant Snake Robot.
   - Under E-Yantra 2017 robotic competition organized by IITB.
     -Using joystick communication and 3D designing of snake and Servo actuator.
2. Line following based multipurpose system for hospitals.
   - India innovation challenge design contest by Texas Instruments and IIM Bangalore.
   - Idea is to make clone for doing multiple tasks such as sweeping,cleaning,dustbin collection,medicine delivery
3. Pocket DSO
   - Third year sem 2 miniproject
   - Cost and Power efficient portable DSO using GLCD with MSP430.

4. Anti-pilferage and anti-adulteration system for fuel road tankers.
   - Smart India Hackthon 2018
   - Solution to the pilferage and adulteration of fuel tanks en-route from terminals to retailer by continuous monitoring of location ,level, pressure and temperature parameters with cloud connectivity also ensuring emergency management.
5. Digital Trekking Watch.
   - TY BTech sem 1 Mini project
   - OLED based compass and location tracking using magnetometer and GPS.
6. Modeling 3D terrain in blender
   - EYantra 2016 robotic championship by IITB
   - 3D modelling of a terrain in Blender using X-bee comm. with Firebird V.

4 Training and Workshop:

1. Successfully completed the online course on Hardware Modelling Using Verilog conducted by **IIT KHARAGPUR** under NPTEL.
2. Successfully compeleted workshop on **"Analog VLSI Design with Emphasis on OP-Amp Design"**.

5 Technical skills:

1. **Programing Skills:**
   - C, Basic C++ and Python.
   - VHDL(Basic), VERILOG, Embedded C.
2. **Microcontrollers Known:**
   - LPC2148 (ARM7),(low power microcontroller) MSP430G2553, MSP432P401R , P89V51RD2(8051), ATMEGA328P, ATmega2560.
3. **3D Designing Software:** Blender 2.7, Autodesk Fusion 360.
4. **Simulation Software:**Proteus, Multisim 13,PSIM,VREP.
5. **Firmware Orientation:**ATMEL 7.0, vision 4 (keil), Code Compose Studio, Xillinx ISE 14.2.
6. **PCB Designing Software:** Eagle