

# Tejas Gurav

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**Postal Address:**

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**Career Objective:** To be a part of an inter-disciplinary organization where I can fully utilize and enhance my knowledge, skills and techniques; and make a contribution to the success of the employer and at the same time, my individual growth.

**Academic Details:**

Degree	Name of the Institute	University	Year	Grade
TY-Mech(Sem 5)	Vishwakarma Institute of Technology, Pune	SPPU-MH	2017	9.33(CPI)
SY-Mech	Vishwakarma Institute of Technology, Pune	SPPU-MH	2017	9.38(CPI)
FY-Mech	Vishwakarma Institute of Technology, Pune	SPPU-MH	2016	9.83(CPI)
12th	Laxmanrao Apte Prashala, Pune	HSC-MH	2015	92.77%
10th	Sungrace High School, Pune	SSC-MH	2015	94.73%

**Projects:**

1. **Automated Drinks Vending Machine:** Fabrication of an automated coin-triggered drinks vending machine using AT-Mega16 Microprocessor, relays, proximity sensor, etc. that produces juice in real time.
2. **Snake Robot:** Design, dynamic simulation and fabrication of a wireless, joystick controlled, highly articulated snake robot with hyper redundant degrees of freedom capable of traversing uneven terrains.
3. **Book Shelving Bot:** Design and fabrication of a Bluetooth controlled robot vehicle prototype used to place books in shelves at great heights.
4. **Auto-Simulator:** A project in collaboration with Dassault Systemes which interfaces 3DExperience Platform, Arduino Uno and physical model for real-time simulation of an automobile prototype.

**Technical Skills:**

- Fluent in AutoCAD 2D and CAD software CATIA V5, SolidWorks 2016
- Introductory knowledge of MATLAB, Simulink and Autodesk Fusion360
- Introductory knowledge of analysis softwares ANSYS and V-REP
- C++, Atmel Studio, Arduino IDE
- Windows OS and MS Office