



# Shantanu Patil

## Mechanical Engineer

### My Contact

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📍 Balaji Park, Plot No.83, Dharangutti-416102,  
Tak. Shirol, Dist. Kolhapur, Maharashtra.

🌐 [Portfolio website](#)

### Education Background

- MIT Academy of Engineering, Alandi, Pune  
*B.Tech in Mechanical Engineering*  
Completed in 2023 with 8.82 CGPA
- DKTE'S Yashwantrao Chavan Polytechnic,  
Ichalkaranji  
*Diploma in Mechanical Engineering*  
Completed in 2020 with 90.21%
- Jayprabha English Medium High School,  
Jaysingpur  
SSC  
Completed in 2017 with 81.80%

### Software's Studied

- Autocad
- Catia
- Fusion 360
- Solidworks
- Comsol
- Ansys
- Matlab
- Tableau

### Language proficiency

- Python
- Java
- SQL
- HTML

### Paper publication & Patent

- Patent: Application No. 202321021494  
"Automatic Agricultural Pesticide Sprinkling Robot"

- Paper:  
"Design and Development of Two speed Gear Box for  
Agro Machinery" in "International Research Journal of  
Modernization in Engineering Technology and Science"  
(IRJMETS), Volume 2, Issue 5, May 2020. ISSN: 2582-  
5208 on 16-May-2020

### Hobbies

- Drawing
- Learning New Technology
- Swimming
- Designing
- Playing – Chess, Football

### Carrier Objective

To secure a challenging position that will allow me to utilize my technical skills, theoretical skills, while making a significant contribution to the success of the company.

### Certificate Accomplished

- Certificate in "Database Management System - Science Graduates" by Infosys Springboard on 15-November-2022
- Certificate in "Object Oriented Programming using Python" by Infosys Springboard on 23-June-2022
- Certificate in "Simulink Onramp" by MathWork Training Services on 16-January-2022
- Certification in "Fundamentals of CNC Programming & Manufacturing" by Skyy Rider Institution on 31-July-2020
- Certificate in "Six Sigma Yellow Belt" by Anexas Europe on 2-May-2020
- Certification in "The Fundamentals of Digital Marketing for Google" by Google on 15-Feb-2020
- Certificate in "Fundamentals of GD & T" by V.M. Industries & Training Center on 11-Feb-2020
- Certificate in "Entrepreneurship Awareness Camp" by Maharashtra Centre for Entrepreneurship Development (MCED) on 21-Sep-2019

### Project

Design and Development of Two speed Gear Box for Agro Machinery.

- Objective: Increase RPM from Engine Power take-off to Fan Out-put and to satisfy Farmer requirement.
- Role: Designing and Analysis.
- Duration: 3 Months.

Modification in Mini CNC Machine using Arduino.

- Objective: CNC machine for small applications like sketching 2D images, draw letters and laser engraver.
- Role: Arduino Programming and Model Designing.
- Duration: 8 Months.

Design & Development of Automatic Agricultural Pesticide Sprinkling Robot.

- Objective: To spray the pesticide on the crop's and to Autonomously move without any aid of human.
- Role: Field and Market Survey & Designing and Analysis.
- Duration: 8 Months

### Internship

- iTech Robotics and Automation Pvt.Ltd.  
• R&D Intern  
• Duration: Five months [Jan 2,2023 – June 2,2023]
- Suzlon Infrastructure Service Ltd.  
• Business Analyst  
• Duration: Two Months [June 2, 2022 - July 30, 2022]
- Swift Enterprise Pvt.Ltd., Jaysingpur-416101  
• Junior Design Engineer.  
• Duration: Six weeks [May 12,2019 – June 21,2019]

### Workshops Attended

- National Level Workshop on "Multi Criteria Decision Making (MCDM) methods" organized by the School of Mechanical and Civil Engineering, MIT Academy of Engineering, Alandi, Pune, held on 25th-26th March 2022.
- International Conference on "Modification in Mini CNC Machine Using Arduino" in International Conference on Emerging Trends in Engineering and Technology, Nashik in year 2021.
- Workshop conducted on "Industrial 3D Printing Technology" organized by I3DMINDS in associated with DKTE'S Yashwantrao Chavan Polytechnic, Ichalkaranji held on 6-Dec-2019.

### References

- Prof. B.A. Tare
- Vice Principal of DKTE'S Chavan Polytechnic, Ichalkaranji
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