

# Ganesh Kshirsagar

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Pune, Maharashtra - India

## SUMMARY

A motivated Mechanical Engineering graduate with hands-on experience in automotive servicing, mechanical design, and engineering analysis. Skilled in problem-solving, teamwork, customer service, and technical operations through an internship at Gurudatta Car Care Service. Experienced in designing and analyzing mechanical systems, including a Go-Kart chassis and Geneva-based mini conveyor mechanism. Proficient in CATIA V5, ANSYS, AutoCAD, mechanical maintenance, and pneumatics. Strong communication skills with the ability to work efficiently in team-oriented environments.

## SKILLS

- Mechanical Design & Maintenance
- Hydraulics & Pneumatics
- Pneumatic Systems
- Compressors
- Process Management
- AutoCAD
- CATIA V5
- ANSYS
- CAD/CAM
- Material Science
- Strength Analysis
- Geneva Mechanism Design
- Basic Electronics

## EDUCATION

- Bachelor of Engineering (Mechanical Engineering)  
Savitribai Phule Pune University  
  
Complete in (2022–2025)  
CGPA: 6.80 HIGHER SECOND CLASS
- Diploma (Mechanical Engineering)  
  
Completed in 2022  
Percentage: 75.85% FIRST CLASS DIST
- HSC – Maharashtra state Board (Class XII)  
Completed in 2020  
Percentage: 44.31%
- SSC – Maharashtra State Board (Class X)  
Completed in 2018  
Percentage: 63.20%

## EXPERIENCE

### **Gurudatta Car Care Service**

- Worked in the workshop and servicing department for 4-wheeled vehicles.
- Performed repairs, modifications, and servicing operations including cleaning, wheel alignment, balancing, and component testing.
- Assisted in disassembling, repairing, lubricating, assembling, and washing of vehicles.

- Gained hands-on experience in workshop tools, service workflow, and customer handling.  
Skills Used: Problem Solving, Communication Skills, Customer Service, Time Management, Attention to Detail, Teamwork.

## **PROJECTS**

### **Design and Analysis of Go-Kart Chassis**

(November 2024 – April 2025)

- Designed a rigid and lightweight go-kart chassis using CAD tools.
- Performed Finite Element Analysis (FEA) to evaluate structural integrity and strength.
- Selected appropriate materials (steel/aluminum) considering safety and performance.
- Worked on modeling, simulation, and optimization of chassis components.  
Skills Used: Material Science, CATIA V5, ANSYS, Strength Analysis, Welding Techniques, Problem Solving.

### **Mini Conveyor Using Geneva Mechanism**

(January 2022 – May 2022)

- Developed a conveyor belt system that moves products at fixed time intervals.
- Implemented the Geneva mechanism to convert continuous rotational motion into intermittent motion.
- Designed and fabricated the mechanical parts and tested operational efficiency.
- Integrated rollers, motorized disc, and belt system to achieve precise movement control.  
Skills Used: CAD/CAM, Mechanical Design, Geneva Mechanism Design, Electronics, Problem Solving

## **CERTIFICATIONS**

- Tally Basic ERP9

## **STRENGTHS**

- Problem-solving ability
- Attention to detail
- Effective communication
- Teamwork and collaboration
- Time management

## **LANGUAGES**

- English – Fluent
- Hindi – Fluent
- Marathi – Native / Fluent

