

# SANDIP KOLHE

## MECHANICAL ENGINEER

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### EDUCATION

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#### Bachelor of Mechanical Engineering

Aug 2024 - Jun 2027

Dr. D. Y. Patil Institute of Technology, Pimpri, Pune

- GPA : 9.22
- Honour in Electric Vehicle

#### Diploma in Mechanical Engineering

Aug 2021 - May 2024

Government Polytechnic, Jalgaon

- Percentage : 85.64%

### PROFESSIONAL EXPERIENCE

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#### Intern | Ace Kudale Car PvtLtd - Pune

Dec 2024 - Dec 2024

- Learned practical vehicle diagnostics and basic repair procedures.
- Improved understanding of routine servicing and maintenance practices.
- Gained clarity on engine tuning and brake inspection techniques.

#### Intern | Snehal Autoparts Pvt Ltd - Jalgaon

Jun 2023 - Jul 2023

- Gained hands-on exposure to drum brake manufacturing processes.
- Improved understanding of brake components and assembly methods.
- Strengthened practical skills through production tasks, material handling, and quality checks.

### PROJECTS

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#### V6 Twin-Turbo Engine (Siemens NX)

- Designed a V6 Twin-Turbo engine in Siemens NX with multiple components, focusing on assembly constraints, turbo integration, and mechanical layout.

#### Automatic Pneumatic punching Machine

- Designed and integrated a pneumatic punching mechanism using Arduino-based control, improving system reliability and alignment accuracy while gaining hands-on experience with actuators, safety setup, and mechanical-electrical integration.

### SKILLS

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**CAD** | Siemens NX , Fusion 360, SolidWorks, CATIA V5, AutoCAD (Part, Assembly, Surface Modelling)

**Simulation** | Ansys (FEA, RBD, CFD)

**Mechanical Skills** | Engineering Drawings, GD&T (Basic), 3D Printing (FDM), Fits & Tolerances

### VIRTUAL INTERNSHIPS & CERTIFICATIONS

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- APA Group Engineering for New Energy
- Siemens Mobility Operations industrial engineer
- Siemens Mobility Project Manager
- GE Aerospace Supply Chain Management

### EXTRA-CURRICULAR ACTIVITIES

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- PR Head-Team MESA
- Volunteer for ICSI 2024