

ABHIJIT SANJAY PIMPARE

EDUCATION

B.E. - Mechanical Engineering

Savitribai Phule Pune University

2022 - 2025

GPA | 7.4 / 10

Diploma in Automobile Engineering

Government Polytechnic, Nashik

2018 - 2021

Percentage | 87.8 / 100

HSC

Maharashtra State Board

2021 - 2022

Percentage | 67.6 / 100

SSC

Maharashtra State Board

2017 - 2018

Percentage | 88.8 / 100

SKILLS

SolidWorks · AutoCAD · Corel Draw · Excel ·

MS Office 365 · Lean Manufacturing ·

Six Sigma · TPM · Time Management ·

Problem Solving · Teamwork

CERTIFICATION

1. Lean Six Sigma Green Belt Certification Training

2. 5S for Lean manufacturing

3. Agile Fundamentals: Including Scrum & Kanban

LANGUAGES

English Proficient ●●●●●

Hindi Native ●●●●●

Marathi Native ●●●●●

Mechanical Engineering

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Pimpri Sayyad, Nashik, Nashik Maharashtra 422003

SUMMARY

Results-driven Mechanical Engineering student with one year of hands-on experience from an apprenticeship at Bajaj Automobiles. Skilled in automotive design and manufacturing processes, with strong problem-solving and teamwork abilities.

EXPERIENCE

Apprenticeship Trainee

08/2021 - 09/2022

Bajaj Automobiles

- Completed comprehensive training on **automotive fundamentals** and the full **product range** of Bajaj Auto Ltd., enhancing technical knowledge and expertise.
- Acquired hands-on experience in **vehicle assembly line operations**, specializing in **overhauling** and maintenance of various automotive systems.
- Conducted thorough **service inspections** and **defects identification** for multiple models, including the Pulsar, ensuring adherence to **quality control** standards.
- Executed **online inspections** and **product verifications**, effectively improving **manufacturing processes** and product reliability.
- Developed a solid understanding of **electric vehicle technology** and components, contributing to innovative solutions in the automotive industry.

Manufacturing/Production Engineer/Technician

11/2022 - Present

HUL (Sahyadri Farms Post Harvest Care Ltd)

- Daily operations of shop floor to ensure **reliability** and **consistency** on the production line through optimum management resources as per production requirement.
- Continuous improvement for **increase production** and **cost reduction**.
- Maintain cleanliness and hygiene GHK as per industrial food safety.
- Having Food Processing Knowledge.
- Operating Pouch Filling machine MESPAK 360 FED.
- Operating of VOLPAK Machine (90gm and 115gm)
- Operating of Spiral cooling tunnel for pouch cooling.
- Operating of markem image, videojet And Domino Printer for pouch printing.
- Checking critical control points (**CCP'S**) i.e. addition of preservative, metal detector and filling temperature and **OPRP** (Operational prerequisite program).
- Maintain record of manufacturing products and checking a **CLIT file** of machine in daily basis.
- Communicate with Quality team about quality related issues to achieve **zero rejection**.

PROJECTS

Double Disc Lapping and Micro Finishing Machine

Summary

- Developed a **cost-effective** Lapping Machine with **micro-finishing** capabilities to enhance surface polishing for materials like ceramics and composites.
- Incorporated metal laps, bonded abrasives, and abrasive cloth/paper for **high-precision** lapping, ensuring flexibility in commercial applications.
- Focused on low-cost manufacturing while maintaining superior quality, durability, and ease of **operation** and **maintenance**.
- Delivered an efficient, user-friendly machine tailored for **economical** batch processing with high **accuracy** and surface quality
- Research & Publications
- Pimpri Abhijit "Adjustable Double Disc Lapping Machine".
- International Journal Of Engineering And Technology (IRJET) Vol-12, issue 05 May 2025

Advanced Air Filtration System

Summary

- Developed a six-stage air purification system to enhance indoor air quality.
- Implemented **dust removal** and **fine particle filtration** for effective airborne particle capture.
- Integrated **activated carbon, algae, and lime water filters** to remove contaminants and neutralize gases.