

# Atharv K Kadam

Mechanical & Automation Engineering

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## Summary

Mechanical and Automation Engineering student with a strong foundation in design, analysis, and manufacturing processes, combined with exposure to business analytics and operational excellence. Seeking an opportunity to apply technical expertise to real-world engineering challenges and contribute to innovative solutions.

## Skills

**Technical Skills:** Siemens NX, Ansys (CFD, FEA, Thermal Analysis), Autodesk Fusion 360, Power BI, Advanced Excel, Lean Manufacturing, Operational Excellence

**Soft Skills:** Leadership, Time Management, Problem Solving, Teamwork

## Education

### B.Tech Mechanical & Automation Engineering

Walchand Institute of Technology, Solapur

2022 – 2026

CGPA: 9.6 / 10

### Higher Secondary Certificate (HSC)

A.D. Joshi Junior College, Solapur

2022

86.17%

### Secondary School Certificate (SSC)

V.M. Mehta High School, Solapur

2020

94.16%

## Experience

### Business Analyst Intern – Data & Process Improvement

Faber Infinite Consulting, Pune

Jan 2026 – Present

- Perform data analysis, KPI tracking, and business reporting using Power BI dashboards and advanced Excel for data-driven decision-making.
- Support process improvement initiatives by analyzing workflows, understanding stakeholder requirements, and applying operational excellence concepts.

### Intern

Thirumala Precicasts Pvt. Ltd., Solapur

Dec 2024 – Jan 2025

- Supported wax pattern preparation for precision investment casting and performed dimensional and visual inspections for quality control.
- Gained exposure to metallurgical testing processes, including Non-Destructive Testing (NDT), and manufacturing quality procedures.

## Projects

### Battery Thermal Management System | Dassault ConnectNext Project

2025

- Designed a battery pack using Autodesk Fusion 360 with optimized material selection based on thermal and mechanical performance.
- Performed CFD and thermal analysis of lithium-ion cells using mineral oil cooling in Ansys Fluent.
- Achieved up to 5°C temperature reduction using an optimized liquid cooling method.

### Hydraulic Press Design | Danfoss IHS Course

2025

- Performed calculations for energy consumption, system efficiency, pump sizing, motor sizing, and actuator and valve selection.
- Selected optimal hydraulic system design based on efficiency, dynamic response, cost, and performance.
- Developed and simulated hydraulic circuits using Automation Studio and FluidSIM.

## Achievements and Technical Engagement

- Published a research paper at the International Conference on Advances in Materials, Manufacturing & Industrial Management, NIT Kurukshetra.
- Secured 1st Rank at Institute Level in Smart India Hackathon 2024 (Hardware Category).
- Member of Dassault Systèmes ConnectNext Industry Mentorship Program (2024–25).
- Participated in technical project competitions and Autodesk design challenges.

## Certifications

- Simulation of Mechanical Systems using Finite Element Tools – Ansys
- Business & Operational Excellence Certification
- TATA Technologies – Ready Engineer
- Six Sigma Green Belt Certification