



Ajay Sharma

Final year Mechanical
Engineering Student

ajay24sharma86@gmail.com ✉

+91 9561411849 📞

Pune, India 📍

linkedin.com/in/ajaysharma-as2417 in

Mechanical Engineering student in final year of B.Tech with persuasive communication skills. Have a high interest in Design, Automation, Robotics and seeking exciting opportunities related to the same. I am always curious about things and enjoy learning. Undertaken professional training in CAE using ANSYS Workbench and taking training in CAD designing using Fusion 360. Well-versed in Finite Element Analysis, Computational Fluid Dynamics, ANSYS Workbench, Catia, Solidworks, Python and Java.

EDUCATION

B. Tech Mechanical Engineering

Marathwada Mitra Mandal's Institute of
Technology, Pune

07/2021 - Present

CGPA - 7.91

Higher Secondary (Plus 2)

Spicer Higher Secondary School, Pune

06/2015 - 03/2107

65% (ISC)

Secondary Education

Spicer Higher Secondary School

06/2014 - 04/2015

76% (ICSE)

WORK EXPERIENCE

CAD Intern Engineer

Mechathon Engineering Pvt. Ltd.

05/2021 - Present

- Product Design and Development, Drawing Standards, Fits, Tolerances and GD&T.
- Design and Assembly of Positive displacement pump, Hexaplex pump Design and calculations.

CAE Intern Engineer

ELEATION

03/2021 - 04/2021

- Performed Crash, Modal & Harmonic Analysis of automobile components using ANSYS Workbench.
- Performed Crash Analysis on a Car Bumper using ANSYS Workbench.

CERTIFICATES

Specialization in Autodesk CAD/CAM/CAE using Fusion 360 (04/2021 - Present)

Certificate of Training (ELEATION) (01/2021 - 03/2021)

3-Day online Workshop on Rapid Prototyping (10/2020)

5-Day online Workshop on PTC CREO (09/2020)

Certificate Program in Python Programming (Let's Upgrade) (02/2020)

Advanced Manufacturing (Tata Technologies) (01/2020 - 02/2020)

SKILLS

Catia

SolidWorks

FEA

Autodesk Fusion 360

CFD

ANSYS Workbench (Mechanical, Fluent)

Python

Java

Management and Leadership

Strong Communication and Interpersonal Skills

PERSONAL PROJECTS

Design & Manufacturing of Robotic arm for spray-painting application with 5 DOF. (07/2021 - Present)

- It is a 5 DOF robotic arm which will perform the spray-painting application. The robotic arm comprises of a gripper mechanism which will hold the spray painting kit and press the appropriate button to get the job done.
- Me and my group are going to design robotic arm with payload capacity of 500 g. We are going to include the manufacturing of parts such as robot chassis, grasping mechanism etc..

VOLUNTEER EXPERIENCE

Volunteer

Greenthusiast Foundation

10/2020 - 11/2020

- We did a social media campaign for the Diwali.

Volunteer

Idhant

02/2020

- We aimed to teach about Cultural skill development which refers to an ability to interact effectively with different people of different cultures.

LANGUAGES

English

Full Professional Proficiency

Hindi

Native or Bilingual Proficiency

Marathi

Native or Bilingual Proficiency

Nepali

Native or Bilingual Proficiency

INTERESTS

Music

Gym

Athlete

Photography

Robotics

Travelling