

SOHAM PATHAK

Mechanical Engineer

9529065798 sohampathak39@gmail.com

ABOUT ME

Mechanical Engineering graduate passionate about robotics, mechanical design, and product development. Skilled in CAD design, manufacturing, and mechanism development, with hands-on experience in building innovative robotic systems. Committed to applying engineering knowledge to develop practical, efficient, and real-world solutions.

EDUCATION

2023 - 2027 **Bachelor of Mechanical Engineering**
Government College of Engineering Amravati
CGPA 6.85 (Current)

2022 - 2023 **Higher Secondary Certificate (HSC)**
Smt. Laxmibai Gangane Junior College, Akot
With 61.83%

2020 - 2021 **Secondary School Certificate (SSC)**
Smt. Laxmibai Gangane Junior College, Akot
With 94.20%

PROJECTS AND INTERNSHIPS

THE ROBOTECH FORUM

- Worked as Manufacturing Head in the Robotech Forum.
- Led the design and manufacturing of robotic projects, managing fabrication, assembly, and team coordination.

SETU by Zoho Nagpur

- Design and simulate PC cabinet for micro ATX motherboard
- Carried out CAD modelling, flow simulation, thermal simulation, identification of hotspot, and reduction of hotspot.

Indosculp Autocomp Pvt. Ltd

- Completed an internship in the Quality Department, gaining hands-on experience in quality inspection and manufacturing processes.
- Learned quality control procedures, defect analysis, and the use of measuring instruments to ensure product qual

Minor Project- Step Climbing Robot Mechanism

- Led the design and development of a pneumatic step-climbing mechanism using four double-acting pneumatic cylinders to successfully climb 200 mm stairs.

Minor Project- 2 DOF Robotic Arm

- Designed and manufactured a 2-DOF robotic arm with a capstan-driven mechanism for object manipulation

SKILLS

- Solidworks
- 3D Designing and Modelling
- 3D Printing
- Rapid prototyping
- Manufacturing
- Leadership
- Team Work
- Project Management
- Communication

CERTIFICATION

- SOLIDWORKS DESIGN ASSOCIATE
- DD ROBOCON 2025
- DD ROBOCON 2026