



Shamoil Shaikh

Mechanical Engineer

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ABOUT ME

Mechanical Engineering undergraduate with hands-on experience, skilled in CAD, manufacturing concepts, and engineering problem-solving through practical academic projects. Seeking opportunities to apply technical knowledge in various domains. Eager to contribute to a growth-oriented organization.

EDUCATION

MUMBAI UNIVERSITY
BE in Mechanical Engineering

2023 – 2026
CGPA/Percentage: 7.37

K.J. SOMAIYA POLYTECHNIC
Diploma in Mechanical Engineering

2020 – 2023
CGPA/Percentage: 77.4

ST MARY'S HIGH SCHOOL
10th SSC

2020
CGPA/Percentage: 80.60

PROJECTS

PEDAL OPERATED HACKSAW

- Designed and fabricated a manually operated hacksaw using slider crank mechanism.
- Converted rotary pedal motion into reciprocating cutting motion without electricity.
- Focused on low-cost and energy-efficient cutting applications.

ADVANCE STAIRCASE CLIMBING ROBOT

- Designed and developed a staircase-climbing robot utilizing rocker-bogie mechanism for enhanced mobility on uneven terrain.
- Performed kinematic and structural analysis to optimize load distribution, balance, and staircase navigation capability.
- Improved the robot's stability and maneuverability during ascent and descent of staircases through mechanical design optimization.

TECHNICAL SKILLS

- CAD: AutoCAD, Solidworks
- Analysis Tools: ANSYS (FEA)
- Ms Office: Word, Excel, Powerpoint, etc

CERTIFICATIONS

- Bajaj Manufacturing Systems
- Future Ready Piping Engineering for Oil and Gas Industry