



ANIKET KHEDKAR

MECHANICAL DESIGN ENGINEER

PROFILE

Accomplished Mechanical Design Engineer with extensive experience in designing and developing innovative mechanical components and systems at Shree Ram Engineers. Proficient in CAD software, including AutoCAD and CATIA, facilitating the creation of effective solutions for complex engineering challenges. A solid foundation in quality assurance, gained as a Production Quality Engineer at Gestamp Automotive, includes meticulous inspections and the application of Six Sigma methodologies to maintain the highest standards for automobile sheet metal parts. Demonstrated ability to manage multiple freelance assignments concurrently while fostering strong communication and collaboration with both technical and non-technical personnel at all levels positions this professional as a valuable asset in any engineering role focused on innovation and efficiency.

WORK EXPERIENCE

Freelancer, Self Employment, Rajgurunagar (remotely) Sep 2018 - Present
Mechanical Design Engineer

- Enhanced client satisfaction by delivering high-quality work within deadlines.
- Adapted quickly to changing project requirements, demonstrating flexibility and adaptability under pressure.
- Developed customized solutions to address unique client needs, resulting in repeat business and referrals.
- Strengthened client relationships with consistent communication and timely project updates.
- Managed multiple projects simultaneously while maintaining a high level of attention to detail and organization.
- Conducted thorough research to provide well-informed recommendations for clients' strategic decision-making processes.
- Analyzed user feedback to gather input and identify areas required for improvement.
- Optimized project efficiency by creating and implementing effective task management strategies.

Shree Ram Engineers, Chakan, INDIA Dec 2022 - Present
Mechanical Design Engineer

- I am responsible for building pipe bending machines, pipe beading machines, pipe expansion machines, engraving setup machines, pipe gauges, pipe trimming fixtures, etc.
- Designed innovative mechanical components and systems using CAD software, enhancing product functionality and reliability.
- Collaborate with team members to create innovative solutions for complex engineering problems. Knowledge of pipe bending, fabrication design, sheet metal, etc.
- Developed 3D models using CAD software to optimize product designs.
- Checked design compliance with product specifications and standards requirements.
- Developed detailed 3D models and drawings, ensuring accurate communication of design intent to fabrication teams.
- Supported engineering design development through analysis and simulation of prototypes and 3D computer models.

Gestamp Automotive.pvt.ltd., Chakan, INDIA May 2021-Aug 2022
Production Quality Engineer

- I have worked on checking the quality defects of automobile sheet metal parts.
- Like the car body, bonnet, number plate, door, roof, etc.
- Performed inspections and audits to ensure adherence to established standards.
- Utilized problem-solving tools such as Six Sigma, 5 Whys, and Fishbone Diagrams.
- Monitored production processes to identify deviations from design specifications in real time.
- Investigated customer complaints and initiated appropriate corrective actions to prevent recurrence, improving overall client satisfaction rates.
- Championed a culture of continuous improvement by encouraging open communication and fostering employee engagement in problem-solving activities.
- Improved production quality by implementing rigorous inspection processes and updating standard operating procedures.

Force Motors. Ltd., Akurdi, INDIA May 2019-May 2020
Trainee Maintenance Engineer

- Work on machine repairs, and monthly and quarterly maintenance.
- Efficiently executed shutdowns for planned maintenance.
- Developed and implemented operations manuals, policies, procedures, and maintenance program schedules.
- Optimized inventory levels of spare parts and tools, reducing waste, and ensuring availability for urgent repairs.
- Streamlined communication between maintenance personnel by providing detailed documentation of completed tasks and ongoing projects.
- Boosted company productivity by assisting in the implementation of new technology upgrades throughout the facility.
- Gained hands-on experience in troubleshooting electrical, hydraulic, pneumatic, and mechanical systems.
- Collaborated with engineering team to develop strategies for optimizing production processes.
- Showcased strong problem-solving skills when faced with complex technical issues requiring creative solutions.

PROJECTS

• Break Failure Detection System, Aug 2021 - Mar 2022

This setup is to reduce the chances of accidents and prevent loss of life. It improves the efficiency of the vehicle and, in turn, decreases the chances of mechanical system failure. The indication to the rider is given within the type of audio-visual sign. Therefore, the project has been with successfully designed and tested. The indication system will be a new era of vehicle protection if implemented in any motor vehicles to protect them from accidents. There have been many devices to stop the vehicle at abnormal conditions.

• Treadmill bicycle, Aug 2017-Mar 2018

Our concept is to provide healthy fitness to human beings. There to be Ecofriendly.to safe the transportation to humans and well exercise

CONTACT

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EDUCATION

2018 - 2022

Jaihind College Of Engineering
(Kuran Junnar, Maharashtra)

- Bachelor Of Mechanical Engineering

2015 - 2018

Jaihind College Of Engineering
(Kuran Junnar, Maharashtra)

- Diploma of Mechanical Engineering

SKILLS

- Project Management
- Public Relations
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

LANGUAGES

- MARATHI (Fluent)
- HINDI (Fluent)
- ENGLISH (Professional)

TRAINING

- Hybrid Electric Vehicles, Skill Lync, Online, 2022-09-01

PROFESSIONAL SKILL

- AutoCAD , Auto desk Inventor
- Catia
- MATLAB
- Design management
- Conceptual thinking
- Engineering Calculation

CERTIFICATES

- Computer numerical control.
- AUTOCAD
- CATIA V5
- MATLAB



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FREELANCING PROJECTS

- Pipe Bending Machine
- Pipe guage
- Product Design (Plastic)
- Engraving Fixture
- Beading Machine
- Bending tools