

SAHIL PATIL

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I am a results-oriented Mechanical Engineer well versed in both technical engineering and product design with good understanding of digital systems and the latest materials and techniques. Seeking a challenging position to Enhance my skills towards the growth of the organization.

Education

- M.S. Mechanical Engineering, Cleveland State University, Cleveland, OH (GPA : 3.5) **Expected June 2025**
- B.E. Mechanical Engineering, University of Mumbai, India (GPA : 3.3) **June 2021**
- Diploma in Fabrication and Erection Engineering, Agnel Polytechnic. **July 2016**

Skills and Knowledge

- Auto Cad
- SolidWorks
- MATLAB
- Python
- MS Office
- Strong Team Collaboration
- Problem Solving
- Quality Testing
- Design & Optimization
- Production Support

Professional Experience

Operation Assistant, Centers LLC, US - Cleveland OH **Jan 2024 – Present.**

- Working in a supportive work environment to meet the requirements of the company.
- Handling the operations like maintaining cleanliness assisting, students and visitors with their inquiries and resolving problems effectively.

Work Experience

Sify Technologies (Project Engineer) – Mumbai, India **August 2022 – June 2023**

- Provide technical advice and suggestion for improvement on particular project.
- Negotiating with supplier and vendors to ensure best contract.
- Completing quality assurances and Providing feedback to the team

K.K. ENTERPRISE (Trainee Engineer) - Mumbai, India **July 2021 – August 2022**

- Created designs and translated them into design specifications and product requirement.
- Provided quality control for ongoing projects. Collaboration with operations, technicians, supervisors, and vendors.
- An overview SMAW, SAW, MIG welding process and treatment of work before and after this Welding Process.
- An overview of computer and manual lathe machines, hydraulic pinion pressing and assembly of 16-cylinder diesel engine

Academic Project

Title: Conveyor Belt – Mumbai, India **August 2020– April 2021**

In this Particular Project we fabricated the whole structure of the conveyor belt in a continuous way by friction drive. We implement the strategy of preventive maintenance as the first step of our project, by this maintenance future maintenance cost is saved. Regular maintenance and proper lubrication can keep maintain alignment of idlers. Adjust loading material to properly center the load helps in reducing belt running off at tail pulley. Greasing and painting can reduce corrosion in frames and drum. Use of dual scrap system, brush system and rubber scrapper help in effective running of the conveyor belt. By following this method, the tendency to breakdown maintenance reduces and gradually the yearly maintenance cost suppresses thereby profiting the companies.