

VIVEK DESAI

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❖ Professional summary:

- As a Mechanical Engineer I have a background in process quality and maintenance engineering, specifically across the textile sector. I specialize in quality assurance, equipment maintenance, and process optimization. I did a postgraduate diploma in learning Practical Elements of Mechanical Engineering and Operations Management in Canada to learn more technical and managerial skills. I am a dedicated process improver and problem solver who adds value through collaboration, seeking opportunity to utilize my engineering experience.

❖ Work Experience

• Mr. Lube, London, ON

Service Technician, (Part-time)

[Oct 2024-March 2025]

- Changed the oil, rotated the tires and checked fluids regularly.
- Automotive systems diagnosis and service for optimum performance and safety.
- Helped in the inspection and replacement of air filters, batteries, and crucial components.
- Legalized automated service equipment for all types of car servicing.
- Prevented the spread of infection in the workplace while maintaining optimal service efficiency
- Customer Service & Technical Recommendations

• Fanshawe College, London, ON

[Sep 2023-April 2024]

- Set up and operated lathe & milling machines for machining metal
- CNC programming and operation, ensuring the accuracy in manufacturing processes
- Experience with multiple welding processes such as: SMAW (Stick Welding), Metal Inert Gas (MIG) Welding, Tungsten Inert Gas Welding (TIG)
- Employed industry-standard safety practices and quality control in machining and welding.
- Acquired knowledge in machine setup, calibration, fault finding, and material selection for fabrication tasks.

• Nisan Exim, Ahmedabad, India

Junior Process Quality Engineer, (Full-time)

[April 2020-June 2023]

- Addressed to deal with quality control and assurance in any manufacturing to control process improvement, work for problem-solving and reduce defects
- Optimized yield and minimized the scrape materials. Managed the cost and time constraints of project. I made and represented the quality control reports on daily and monthly basis to the manager
- Responsible for the monthly maintenance of each machinery within the company in the production area which, includes checking working conditions of Gear Box, Pistons, Guider Rolls, Shafting, etc.
- Completed monthly report of Steam Boiler and Water Tube Boiler to the maintenance engineer

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- **Sialon Engineers, Industrial trainee**

- Learned about the basic of industrial training where i try my hands on the use of grinder, cutting edge machine welding machine and some basic knowledge about how the system is worked in industries.

- **Precise Engineers, Industrial trainee**

- Gained hands-on how CNC machine works, including which raw material can be used to make a product and some of the basic components. Tested the quality and life efficiency of the final product.

- ❖ **Software**

- SAP ERP | Auto-cad | SolidWorks | SCM Globe

- ❖ **Skills:**

- Mechanical Maintenance & Troubleshooting | Supply Chain Optimization | Data Analysis & Reporting | CAD Software (AutoCAD & SolidWorks) | Health & Safety Regulations | Supply Chain / Logistics / Warehouse Operations | Mechanical Maintenance & Troubleshooting

- ❖ **Educational Background**

- **Fanshawe College, London, ON**

Postgraduate Diploma in Operations management (April-2025)

Practical Elements of Mechanical Engineering (April-2024)

- **Silver Oak College of Engineering, Ahmedabad, India**

Bachelor of Technology in Mechanical Engineering (March-2020)