

## **HARSHAL PATEL**

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**SUMMARY** : Mechanical Engineering graduate with 3+ years of hands-on experience in automotive manufacturing at Toyota Motor Manufacturing Canada and as an Automotive Technician at General Motors. Skilled in mechanical assembly, troubleshooting, preventive maintenance, electrical diagnostics, machining, and continuous improvement (Kaizen, 5S). Seeking a 433A Industrial Millwright apprenticeship to further develop expertise in mechanical, hydraulic, pneumatic, and automated systems.

### **CORE QUALIFICATIONS**

- Mechanical maintenance, assembly, and troubleshooting
- Preventive and corrective maintenance support
- Electrical diagnostics (voltage, current, continuity testing)
- Equipment monitoring and breakdown support
- Machining: lathe, milling machine, drill press
- Welding and soldering
- Reading and interpreting mechanical drawings and schematics
- Root-cause analysis (5 Why) and continuous improvement
- Kaizen, 5S, standardized work, and production support
- AutoCAD, SolidWorks, Fusion 360
- Strong safety awareness in manufacturing environments
- Flexible to work rotating shifts, overtime, and multiple facilities

### **PROFESSIONAL EXPERIENCE**

Toyota Motor Manufacturing Canada (TMMC) – Cambridge, ON Production Team Member | 2022 – Present

- Support daily assembly-line operations following standardized work, quality, and safety procedures
- Assist with basic equipment troubleshooting, monitoring, and preventive maintenance activities
- Participate in Kaizen, 5S, and continuous improvement initiatives to improve efficiency and reduce downtime
- Contributed to the 3-Pillar Pilot Project, redesigning workstations and improving process flow
- Designed and optimized Kanban parts-flow racks and low-parts alert systems using AutoCAD and SolidWorks
- Collaborate with Team Leaders, Engineers, and Skilled Trades during process changes and improvement activities

General Motors Canada – Sudbury, ON Automotive Technician Apprentice (310S) | 2018 – 2021

- Diagnosed and repaired mechanical and electrical systems on vehicles and shop equipment
- Performed preventive maintenance, inspections, and seasonal shop maintenance
- Traced electrical circuits and ECM data lines to identify faults
- Used hand tools, power tools, and diagnostic equipment safely and effectively
- Applied root-cause analysis to reduce repeat failures and improve equipment reliability

Elecon Pvt. Ltd. – India Mechanical Engineering Intern | 2016

- Assisted with casting, surface finishing, machining support, and inspection of gears and pump housings
- Used precision measuring instruments to verify dimensional accuracy and quality
- Supported shop-floor manufacturing and quality control processes

#### **EDUCATION & TECHNICAL TRAINING**

- Bachelor of Mechanical Engineering – Gujarat Technological University
- Motive Power Technician & Management – Cambrian College
- PLC Programming Certificate – Conestoga College
- Automotive Technician Apprentice (3105) – General Motors