

VIPUL CHOPRA

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OBJECTIVE

I am a motivated and detail-oriented Mechanical Engineering Technician student with hands-on experience seeking a position in the mechanical or manufacturing industry where I can apply my strong technical knowledge, precision skills, and passion for solving engineering problems. I am eager to contribute to a dynamic team and grow through real-world industrial experience.

KEY SKILLS

- **Machining & Precision Manufacturing:** Skilled in operating lathe and milling machines to manufacture mechanical parts. Proficient in both hand and machine tools, with strong alignment and precision measuring abilities.
- **Blueprint Reading & Technical Design:** Experienced in interpreting and creating technical drawings using Autodesk Inventor.
- **Welding & Metal Fabrication:** Proficient in MIG, Stick welding, and Oxy-fuel cutting along with fabrication and metal grinding.
- **Fluid Power Systems & Pipe Fitting:** Practical knowledge of hydraulic and pneumatic systems, pump stations, valves, and pipe work.
- **Rigging & Crane Operations:** Experienced in rigging techniques and understanding crane operations with safety-first practices.
- **Millwright Mechanics & Industrial Repair:** Capable of maintaining, repairing, and troubleshooting mechanical and material-handling systems.
- **Industrial Electricity & Circuit Design:** Hands-on understanding of wiring, circuit flow, and basic electrical system operations.
- **Robot Maintenance:** Knowledge of mechanical repair of industrial robots ABB and FANUC, including teardown, inspection, and reassembly.
- **Programmable Logic Controllers (PLC) & Automation:** Familiar with PLC systems, including creating and troubleshooting logic programs. Experienced in connecting I/O devices and using Automation Studio for simulation and basic automation design.
- **Project Management & Time Management:** Effective in managing multiple tasks and meeting deadlines under pressure.
- **Team Collaboration & Independent Work:** Capable of working both independently and as part of a team with strong interpersonal skills.

WORK EXPERIENCE

September 2024- Present

St Clair College

Tutor

- Provide academic support to students in mechanical subjects, including blueprint reading, machining techniques, and industrial electricity.
- Assist milling apprentice students in lab sessions, guiding them through hands-on training with lathes and milling machines.
- Foster independent learning and build students' confidence through personalized tutoring sessions.

May 2024 - August 2024

Tootsies Shoe Market

Retail Sales Associate

- Assisted customers in finding the right products based on their needs and preferences.
- Provided detailed product knowledge and recommendations to enhance customer experience.
- Addressed customer concerns efficiently and contributed to store organization and sales promotions.

EDUCATION

St. Clair College, Windsor, Ontario

Diploma in Mechanical Engineering Technician - Industrial

Expected Graduation: July 2025

Overall GPA so far : **3.949**

Program Summary:

- Developed technical expertise in machining, welding, hydraulics, pneumatics, mechanical repair, robot maintenance, and blueprint interpretation.
- Gained practical skills in troubleshooting, rigging, circuit design, and the use of hand and machine tools.
- Eligible for 433A Industrial Millwright Mechanic Apprenticeship - Level 1 & Level 2 credit upon program completion, subject to employer approval (Ministry of Advanced Education and Skills Development).

ACHIEVEMENTS

- Created five graphic novels for the school magazine.
- Served as Student Body President, demonstrating leadership and organizational skills.
- Secured first place in Declamations and Best Speaker Debate competitions.
- Achieved Blue Sr. belt in Taekwondo.
- Earned a Certification of Distinction (85% and above) in Green Olympiad 2020.