**SHIVAM THAKKAR**

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# Profile

* Magnificent skills in programming languages (JAVA, C language)
* Excellent command over designing and drafting applications (AutoCAD)
* Excellent research, analytical and problem-solving skills
* Performed quality assurance strategies
* A valid G2 Driver’s license

# Technical skills

* Experienced knowledge of various mechanical devices and tools.
* Good operating skills in lathe machine, drilling machine, grinding machine (hand and surface)
* Skilled in using metrological instruments such as micrometer, Vernier caliper, height gauge, various gauges, and CMM
* Excellent knowledge of PLC Programming (Industrial Computer Control System)
* Conceptualized knowledge about Process Control Systems (Controlled Output of various systems including Cascaded Control)
* Learned skills for working with datasheets, complex sketches/ diagrams, and blueprints.
* Trained for working with heavy equipment: Electric Power Jacks, Hand Jacks. (Training by Sobeys Inc.)
* Advanced knowledge about AutoCAD 2D&3D with the certificate, Microsoft office, and advance computer functions
* Calibration of instrumentation equipment (Data Acquisition Systems, Level & transmitters)
* Known with the personal protective equipment and hazard signs
* Good knowledge of geometrical measurements and tolerances

# Education

***Instrumentation Engineering Technician Process Automation & Control***

Ontario College Diploma

Confederation College, Thunder Bay ON *(January 2019 – June 2020)*

***Majors in PHYSICS, CHEMISTRY & MATHEMATICS***

High School

St. Joseph’s Convent Sr. Sec. School, India *(completed in June 2018)*

# Professional training

IGTR (Indo German Tool Room)

Ahmedabad, Gujarat, India

* Learned how to use various machines like lathe machine, drilling machine, grinding machine and injection moulding machine.
* Completed machining of the valve body, threaded shafts, connectors and shaft casing for industry
* Acquired conceptualized knowledge of CAM & CAE.

# Work experience

Crawford Metal Co.

*Overhead Crane Operator*, Milton ON June 2020- *Present*

* Using pendant-operated, overhead and gantry cranes in compliance with safety standards and company guidelines.
* Loading and offloading trailers (using Overhead 20 Ton Crane) with various types of steel including Beams, Rebar, Angle, and sheets.
* Rotated stock and cleared sales floor of debris.
* Unloading incoming items from trucks and rail cars and transporting materials to staging area.

AutoCAD Designer

*Pro Tech Solutions*, Thunder Bay ON May 2019 -June 2020

* Evaluated architectural and engineering sketches and interpreted layouts to create detailed blueprints for panel projects using AutoCAD.
* Created designs using computer programs such as AutoCAD to complete shop drawings.
* Supported design staff with all AutoCAD related issues.

Production worker

*Resolute*, Thunder Bay, ON August 2019 - December 2019

* Moved items between machines, conveyors and transport equipment based on current production needs.
* Calibrated and adjusted equipment using tools such as calipers, micrometers, height gauges, protractors and ring gauges.
* Inspected quality of finished products, making minor repairs to meet project expectations.

Assistant Manager

*Superior Bowladrome,* Thunder Bay, ON February 2019-March 2020

* Managed several leagues, their sessions and bowling records.
* Maintained paper works, records, and the bowling trends of all the bowlers.
* Handled cash register and league sheets
* Trouble shooting of the bowling machinery, and serviced them accordingly

# Academic project

Cascade and Ratio Control April 2020

* Worked to achieve level-control of a tank regulated by two different flows in a defined proportion of ratio using valves as final control elements. Process itself regulated level and required a cascaded control to send remote set point to the flow.
* cascaded control and ratio control methods tuned with lambda tuning method covered three different parameters control with single set point of desired level.

Automation Control Systems PLC Project January 2020

* This PLC project was built on a Car Wash mechanism. Car washing mechanism was set up in a tunnel consisting of a conveyor belt, soap dispenser, brushes, water spray and a two-fan dryer. There were proximity sensors in each step.
* This was a self served carwash model based on complex PLC programming.

Mini Conveyor Belt June 2017

* This conveyor belt project used Geneva Mechanism.
* This System used a motorized disc to drive the wheel at regular time intervals
* As the rotation of wheel occurred the belt rotated accordingly.

# Volunteering

Community Clothing Assistance February 2019

* Volunteered for acceptance of donations of clothes and other accessories as a receiver.
* Booked appointments, and received donations as a BDR (Back Door Receiver)

# Certification

In House Overhead Crane Operator certificate

Autodesk AutoCAD 2D & 3D May 2019

Ontario health and safety certificate May 2019

Power Jacks and Forklift Training March 2020

# References

YASH PANCHAL

Salvagini Machine Operator

CO-OP employee of MOTT MANUFACTURING

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