

## **Mihir Patel**

5-3707 16<sup>th</sup> Av SE  
Calgary, AB  
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+1 587-986-9710  
mihir.6061@outlook.com

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### **OBJECTIVE**

- A challenging carrier to utilize my skills and ability in the Instrumentation Industry that offers professional growth and scope for widening the spectrum of my knowledge

### **TRAINING AND CERTIFICATION**

- Interprovincial Red Seal Certificate in Instrumentation and Control (447A)
- Instrumentation and Control Engineering Technician, Lambton College, Sarnia, Ontario (September 2013 – April 2015)
- B.E. (Computer Science ) , University of Pune (2008-2012)
- CSTC – 09 by Alberta Construction Safety Association

### **INDUSTRIAL SALES EXPERIENCE**

#### **Instrumentation Technician- BAUMER INDIA PVT LTD.**

**July 2016 - August 2018**

- Executing emergent work orders on various instrumentation and electrical devices
- Calibrating pneumatic controllers, Rosemount transmitters various valves and positioners
- Designing the SCADA equipment such as RTUs, Programmable Logic Controls (PLC), Human Machine Interface (HMIs), Distributed Control System (DCSs), communication systems and interconnection media
- Experience in commissioning of control systems, troubleshooting, debugging, supporting in various process control automation projects.
- Conduct FAT( Factory Acceptance Test ) and execute the simulation in process
- Wiring and trouble shooting of Allen Bradley's PLC system, Drives and other PC based Protection systems used in distribution System

#### **Instrumentation Technician - UMIYA INSTRUMENTS PVT LTD.**

**January 2010 - June 2013**

- Install, repair, calibrate, troubleshoot and maintain all instrument control systems in the plant facility
- Cover control valves, electronic pneumatic transmitters, electronic flow measuring devices, electronic and pneumatic pressure controlling devices and PLC
- Testing and calibration of electrical Meters like Voltmeters, Ammeters, PF meters, Energy meters, frequency meters and CT-PT units
- Measuring and testing instruments such as, but not limited to, data monitors, transmission testers, dead weight testers, temperature baths, portable and pneumatic hydraulic test equipment, voltmeters, ammeters

## **CRITICAL SKILLS**

- Experience in installing, troubleshooting and calibrating various types of instrumentation devices
- Troubleshooting and rebuilding various types of control valves
- Working with Rockwell Software, Factory Talk View and Factory Talk View Machine Edition
- Interpreting electrical schematics and P&ID drawings
- Communicating with instrumentation devices via the HART communicator
- Working with the Emerson Delta-V, Distributed Control System
- Programming Micro hard cellular modems for wireless radio communication
- Calibrating, troubleshooting and installing analyzers
- Working as part of a maintenance team
- Practicing safe work in everyday activities

## **PROGRAMMING AND COMPUTER SKILLS**

- PLC (Allen Bradley) Programming
- HMI (Wonder Ware) Programming
- DCS (Delta V, Yokogawa) Programming
- AUTOCAD 2012
- Microsoft Office Suits
- C, C#, Linux
- Communication over MODBUS protocol with SCADA
- Practiced SIMULINK tool on MATLAB for process instrumentation

## **REFERENCES**

- References will be provided upon request



ONTARIO COLLEGE OF TRADES  
ORDRE DES MÉTIERS DE L'ONTARIO

THE ONTARIO COLLEGE OF TRADES  
AND APPRENTICESHIP ACT, 2009

LOI DE 2009 SUR L'ORDRE DES MÉTIERS  
DE L'ONTARIO ET L'APPRENTISSAGE

# CERTIFICATE of QUALIFICATION

# CERTIFICAT de QUALIFICATION PROFESSIONNELLE

THIS IS TO CERTIFY THAT

LE PRÉSENT DOCUMENT ATTESTE QUE

**Mihirkumar Mukundkumar Patel**

HAVING MET THE REQUIREMENTS UNDER  
THE ONTARIO COLLEGE OF TRADES AND  
APPRENTICESHIP ACT, 2009, AND REGULATIONS  
IS ISSUED THIS CERTIFICATE OF QUALIFICATION.

A REMPLI LES EXIGENCES PRÉVUES PAR LA LOI DE 2009 SUR  
L'ORDRE DES MÉTIERS DE L'ONTARIO ET L'APPRENTISSAGE ET SES  
RÈGLEMENTS. LE PRÉSENT CERTIFICAT SERT AUSSI D'ATTESTATION  
D'ADHÉSION À L'ORDRE DES MÉTIERS DE L'ONTARIO.

**447A-Instrumentation and Control Technician**

Membership ID No N° de membre

**14016317**

**Journeypersons Class**

Membership Class

Catégorie de membre



Signature of Holder

Signature du titulaire

Registrar, Ontario  
College of Trades

Régistrare, Ordre des  
métiers de l'Ontario

Certificate No N° de certificat

**400922831**

Date issued Délivré le

**May 14, 2015**



Student Name: Mihirkumar Patel

**ICTX - Instrumentation & Ctrl Engineering Technology - Acc.**  
**GPA: 2.87**  
**Status:**

**2013 Fall - Good Standing**

|          |                                               |      |    |
|----------|-----------------------------------------------|------|----|
| CHM-2812 | Intro. to Industrial Chem. Processes          | 2.00 | C- |
| MTH-3103 | Mathematics III                               | 3.00 | A- |
| ICS-3204 | Introduction to AutoCAD for Instrumentation & | 4.00 | A- |
| SUS-1003 | Intro to Sustainable Development              | 3.00 | B+ |
| ELE-3505 | Electronic Devices & Circuits 1               | 5.00 | A- |
| ICS-3305 | Process Instrumentation 1                     | 5.00 | B+ |
| CHM-1304 | Introductory Applied Chemistry                | 4.00 | EX |
| ICS-1302 | Fundamentals of Instrumentation I             | 2.00 | EX |
| MTH-1105 | Mathematics I                                 | 5.00 | EX |
| ELE-1055 | Electric Circuits I                           | 5.00 | EX |
| SDV-1001 | College Orientation                           | 1.00 | EX |
| ENG-1173 | Communications For Technology                 | 3.00 | EX |
| ICS-2303 | Fundamentals of Instrumentation II            | 3.00 | EX |
| PHY-2204 | Physics                                       | 4.00 | EX |
| MTH-2105 | Mathematics II                                | 5.00 | EX |
| ENG-2173 | Communications for Technology II              | 3.00 | EX |

**2014 Winter - Good Standing**

|          |                            |      |    |
|----------|----------------------------|------|----|
| ICS-4306 | Process Instrumentation II | 6.00 | B  |
| ICS-5306 | Process Control Systems    | 6.00 | B- |
| ICS-5402 | Process-Stream Analysis    | 2.00 | C- |
| ELC-3744 | Digital Logic              | 4.00 | A  |
| ELE-2055 | Electric Circuits II       | 5.00 | B  |

**2014 Summer**

|          |                     |      |   |
|----------|---------------------|------|---|
| CPL-1049 | Work Term Full-Time | 9.00 | P |
|----------|---------------------|------|---|

|                  |                     |      |   |
|------------------|---------------------|------|---|
| <b>2014 Fall</b> |                     |      |   |
| CPL-1069         | Work Term Full-Time | 9.00 | P |

|                                                                    |  |  |  |
|--------------------------------------------------------------------|--|--|--|
| <b>ICTN - Instrumentation &amp; Control Engineering Technician</b> |  |  |  |
| <b>GPA: 2.81</b>                                                   |  |  |  |
| <b>Status:</b>                                                     |  |  |  |

|                    |                                                 |      |    |
|--------------------|-------------------------------------------------|------|----|
| <b>2015 Winter</b> |                                                 |      |    |
| ELE-3155           | Electrical Systems & Control                    | 5.00 | D  |
| JSS-1001           | Job Search and Success                          | 1.00 | D  |
| MAN-1153           | Entrepreneurship                                | 3.00 | B  |
| PHL-1253           | Ethical Leadership and Critical Decision Making | 3.00 | C+ |