

HIREN NAROLA

E-MAIL – hdnarola20@gmail.com

CELL NO - 647-680-7982

EDUCATION

ELECTROMECHANICAL TECHNICIAN - HUMBER COLLEGE (2014-2016)

- Automation and Robotics completed with Honors

BACHELOR IN MECHATRONICS ENGINEERING – GANPAT UNIVERSITY (2009-2013)

- Designed robotic paths during technical competitions festival at state level.
- FINAL PROJECT: “Automatic Solar Panel Control”: The purpose is to save the sunlight energy.

TECHNICAL SKILLS SUMMARY

1. SOFTWARE

- PLC Programming (RSLinx, RSLogix 500), Pneumatics (Automation Studio V5.7) Programming (C++, Visual Studio, LabVIEW)

2. HARDWARE

- PLC (Allen Bradley)
- Robot (Kuka, Fanuc, Motoman, Denso, Panasonic, Wittman) Hydraulics and Pneumatics Components and their use in circuit Variable Frequency Drive (Allen Bradley)
- DC and AC motors and Maintenance

WORK EXPERIENCE

Electrical/Mechanical Technician | Bombardier Transportation (Waterloo)

August 2018 - PRESENT

- Responsible for both commissioning and testing electrical and mechanical system, sub-systems and components installed in the LFLRVs.
- Perform electrical and mechanical modifications from drawing, prints or wiring schematics on LFLRVs.
- Repair and install LFLRV parts such as switches, relays, wires, harnesses, panels, air valves, bearing, couplings, etc.
- Document and report issues or changes in the work instructions to supervisor and engineering department.
- Complete functional testing on all completed modifications.
- Performed all kind of Modification (MOD), FIE and Product Introduction (PI) Task.

STORE MAINTENANCE TECHNICIAN | BOOSTER JUICE PRODUCTION

JAN 2018 – July 2018

- Analysis of layouts, develops, design, assemblies install and also test Electrical component, equipment, systems with applying principles of electrical.
- Plans installation as per blueprints, sketches and specifications, and install all electrical and electronic devices according to orders requirements.
- Operating pneumatic pump, Forklift, mixture. Maintenance of conveyors by variety of tools and fixture change of robots according to different job functions.
- Make periodic inspection for new electrical services (120v, 240v and 480v three phase), including wiring, conduit, panel, breakers, relay, circuit

ELECTRICAL WIRING TECHNICIAN | MAD ELEVATOR FIXTURES

JUNE 2016 - NOV 2017

- Planed panel layout based on manufacturing drawings, company standards through interpreting wiring schematics from various sources.
- Perform functional and continuity tests on wiring components, sub-assemblies, wiring harnesses and finished parts.
- Troubleshooted wiring issues and worked to resolve issues with team leader.

MAINTENANCE ENGINEER | EATING NEW CREATION (ENC) | Part Time

SEP 2014 – MAY 2016

- Operates a variety of standard power tools, equipment's in electrical installations, maintenance, and repair activities on a regular basis.
- Excellent skills in wiring of machine components, including; control panels, electric motors, transformers
- Possesses skills in troubleshooting of Electrical, Electromechanical, Pneumatic, and Mechanical daily technical issues as well as execute continuous improvement projects

PROJECT ASSOCIATE | SWA AUTOMATION PVT LTD, INDIA

JUNE 2012- JUNE 2014

- Technical training in Allen Bradley PLC and went through to plan projects for various needs. Underwent plant visits to ensure Factory Assessment Test.

PROJECTS

- Conveyor belt designed with controlled parameters such as speed and direction.
- Color Sensor with 360° servo motor uses Arduino mega 2460.
- Wireless control of robot using android device with ZigBee communication.
- Electronic card lock systems for security purposes. Line follower and object detector robots.

REFERENCE

- Dhrunal Patel : PI Technician, Bombardier (+1 (647) 901-4591)
- Matthew Kipper :Team Lead of PI Technician, Bombardier (+519-588-9407)