

Rohit Miyani

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Profile

- Final year student in Electrical Engineering Technician with the knowledge in soldering, interpreting and modifying mechanical, architectural, electrical models and schematics
- Fluent in English, Hindi, Gujarati

Summary Of Qualification

- Proficient in AutoCAD skills including the use of specifications and manufacturer's data to the design of both residential and commercial building electrical systems are included the Canadian Electrical Code
- Knowledge of AutoCAD, Multisim, MATLAB, LabVIEW, Multisim, Proteus and Programmable Logic Controller (PLC Allen Bradley), The Festo workstation, DCS, HMI and C Programming
- Excellent managerial, leadership, communication and interpersonal skills honed through one-year customer service experience
- Document and report issues or changes in the work instructions to supervisor and engineering department
- Ability to understand manufacturing and product drawings, blueprints, schematics and electrical code specifications
- Experienced with troubleshooting knowledge in Wiring connection of Electric Panel, different control limit switches, gear and break mechanism, Variable Frequency Drive (L&T SX-2000 VFD)
- Troubleshoot, maintain and repair industrial, electrical control systems, and other related devices
- Basic knowledge of industry codes, standards and recommended best practices such as Canadian Electrical Code, CE code
- Motivated self-starter, able to spark interest and take initiative
- **Office Tools:** - Microsoft Office, Word, Excel, PowerPoint
- **Lab Instruments:** - Multi-Meter, Spectrum Analyzer, Oscilloscope, signal generators, power meter, power supplies

Educational Background

Electrical Engineering Technician Diploma
Algonquin College, Ottawa, ON Canada

September 2017 – Present

Bachelor of Electrical Engineering
Gujarat Technological University, Gujarat, India

June 2012 - May 2016

Work Experience

Electrical Technician

Kisna Automation, Gujarat, India

June 2016 - June 2017

- Designed Electrical panel of Residential and Industrial Elevator, Goods Lift, Hydraulic Lifts etc.
- Developed Distribution Control System for the Water Treatment plant by using Human Machine Interfaces (HMI)

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- Analyzed the current automation operation and interact with the water pump. optimize the running of operation of water pump by digitizing and centralizing data

Maintenance Electrician

RMS Industries, Gujarat, India (Loadmate.in)

September 2016 - May 2017

- Manufactured of Electrical overhead Travelling Cranes, Electric Chain hoist, Electric Wire Rope Hoist, Goliath Crane and other lifting equipment's
- Acquired knowledge of analytical and troubleshooting skills of overhead Electrical overhead travelling (EOT) Cranes, Electric Chain Hoists, Electric Wire Rope Hoist, wall mounted JIB cranes

Projects

Designing an Autonomous Robot

January 2019 - Present

- Assemble and test a small autonomous robot by soldering components on a PCB and by installing geared motors
- Experiment with techniques to follow a line, Control the motion of robot, to navigate a maze and to sense light with a microcontroller-based robot
- Familiar with Debugging hardware and software techniques
- Our robot is built around microcontrollers called a Picaxe (14M2 & 28X1) and we are using PBASIC Language to write a code for the interfacing of microcontrollers
- Installed proximity detectors to detect the presence of marks or line for the moving operation

Electrical design for a Residential Building using AutoCAD

September 2018 - December 2018

- Designed the layout of graphical locations of receptacles, luminaries, switches and miscellaneous equipment and evaluated circuits for overloading and correct amperage for all circuit breakers and electrical panel
- Performed tasks in accordance with relevant standards and regulations, based on the requirements of the current edition of the Canadian Electrical Code
- gained a solid understanding of applicable industry related codes and professional engineering standards

Electrical design for a Commercial Building using AutoCAD

September 2018 - December 2018

- developed knowledge of system analysis and load calculations
- Electrical layout of lighting and switching circuits, panel legends, connection schedules and fixture schedules was designed using AutoCAD
- Investigated the relevant requirements of the Canadian Electrical Code and organize this information using drawings, spreadsheets or tables. And we made technical reports including graphics

Monitoring and controlling of solar street light using GSM.

January 2016 - May 2016

- Designed a model for control and monitor the streetlight manually by cell phone using Global System for Mobile communications (GSM) or automatically by LDR (Light Dependent Resistor)
- Operated completely independent of power grid

Reference: - Jaydipkumar Antala

Electrical Engineer

Goodkey Weedmark & Associates Limited

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