Harshil Bhandari

harshilbhandari151@gmail.com (+91) 9624190861 LinkedIn

EDUCATION

GOVERNMENT ENGINEERING COLLEGE RAJKOT
B.Tech in Instrumentation and control engineering
(2015-2019) | CGPA : 6.5

SKILLS

• Doing technical things
• Industrial Measurement
• Communication
• Electrical equipment maintenance
• Data communication for automation
• PC based instrumentation
• PID control loop analysis and tuning

COURSEWORK

• SCADA
• AC/DC motor drive
• Control system

INTERESTS

AUTOMATION
• I enjoy reading posts about advanced automation and adapting what I've learned to create automated bots.

REALISTIC INTERESTS
• I like work activities that include practical,hands-on problems and solutions.

TEACHING
• I enjoy teaching and mentoring.

LANGUAGES KNOWN

• English
• Hindi
• Gujarati

SOFT QUALITIES

• Dedicated learner
•Confident and determined
• Can be a good team member in different conditions of the project.
• Have a tendency to work patiently for achieving desired results.

EXPERIENCE

MADURA INDUSTRIAL TEXTILE, SARIGAM, VALSAD **(MAINTENANCE ENGINEER) (Present)**

Working experience at MADURA INDUSTRIAL TEXTILE LTD (manufacturer of tyre fabric) as a maintenance Engineer from February 2020 to till date.

1. **Weaving Plant**
   - As a weaving plant maintenance engineer, I was in charge of CC easy, CC 4, and CC5 machine maintenance.
   - I was working on issues like No pulse, Yarn tension, Nominal Value, OY, error, Over temperature, Node Guarding, and so on on these machines.
   - I have replaced the spindle motor bearings as well as all of the drive fans.
   - Recently I had completed the new CC5 installation work.
2. **Tyre Fabric Dipping Plant**
   - I was directly responsible for burner and motor maintenance.
   - Doing regular instrumentation repairs.
3. **Spinning Plant**
   - I was exclusively responsible for winder and winder resolver upkeep.
   - Ext-ruder drives, motors, godet oil, and pump are all being transposed by me on a regular basis.
4. **Continuous Polymerization Plant**
   - Taking preventative maintenance of all instruments
5. **Utility plant maintenance**

ACADEMICS PROJECTS

Robotic arm with universal gripper

- Robotic manipulators' primary functions include gripping and grasping things. However, developing universal grippers capable of picking up new items with a wide range of form and surface characteristics was the big challenge.

Fire Alarm System with GSM module

- The project's goal is to improve housing safety, with the primary goal of preventing fires from affecting inhabitants and their belongings.
- It makes use of an Arduino Uno board and an ATmega328 processor.
- The ATmega328 is the primary controller, and it is responsible for controlling the house fire alarm triggered by the temperature sensor. The heat from the fire is detected using an LM35 temperature sensor. The user will get an alarm message through short message service (SMS) using the GSM module.