

# Sanjay Patel

## Electrical Engineer

Bensalem, PA - Email me on Indeed: [indeed.com/r/Sanjay-Patel/f6d727452b9956a6](https://www.indeed.com/r/Sanjay-Patel/f6d727452b9956a6)

- Hands on experience installation, repairing and maintenance of electrical and electronic related equipments.
- Well developed and analytical "trouble shooting" skills.
- Sound ability to use electrical testing equipment
- Applied Knowledge in PLC/HMI, control Panel Wiring, Installation, troubleshooting, National Electric Code, I/O and sensors
- Excellent in the use of basic hand tools, soldering tools and other electronic assembly tools
- Proficient with Auto CAD, MATLAB/SIMULINK environment
- Excellent interpersonal and communication skills.

### WORK EXPERIENCE

#### Control Systems Engineer

Mondelez International/Kraft Foods - Philadelphia, PA - December 2011 to Present

##### Responsibilities

- Good working knowledge of Allen Bradley PLC's, and Use AutoCAD to review, develop and maintain electrical schematic layout drawings. Recommend Engineer and Implement electrical control and automation upgrades to improve product quality, increase yield, and decrease downtime. Worked in design, programming, start-up, and troubleshooting of process control instrumentation including PLC, Allen Bradley VFD's, and SCADA systems.
- Good interpersonal skills to allow productive collaborative relationships with inside customers, vendors, operations, mechanical and technical personnel. Experience with SAP, Proficient.
- Experience with Rockwell Factory Talk Batch, RS View, Foxboro, and IP Networking
- Experience with knowledge of maintenance and reliability best practices, root cause failure analysis, environmental and quality initiatives
- Engineering activities associated with electrical system design, including component selection, generating bills of materials and schematics, PLC programming and servo motion controller programming

#### Electrical Engineer

PER-FIL Industries, Inc - Riverside, NJ - July 2010 to July 2011

- Troubleshoot and maintain PLC-based equipment, including PLCs, AC/DC motor drives, programmable controllers, and control systems
- Plan the layout and installation of PLC-based production equipment
- Engineering activities associated with electrical system design, including component selection, generating bills of materials and schematics, PLC programming and servo motion controller programming

#### Fielder Helper/Designer

PER-FIL Industries, Inc - Blue Bell, PA - November 2010 to January 2011

- Work with a power distribution designer on electric utility distribution projects.
- Work included field surveying, traffic control, field notes and sketches.
- Project included design of aerial and underground electric network distribution lines.
- Field Helper work under the supervision of a designer and/or engineer.

## EDUCATION

### **Senior Design Project**

Temple University

August 2009 to May 2010

### **Bachelor of Science in Control System Engineering**

Temple University - Philadelphia, PA

January 2008 to May 2010

### **Engineering**

Bucks County Community College - Newtown, PA

August 2004 to December 2007

## ADDITIONAL INFORMATION

### Skills

- Computer Skills: Microsoft Office, C, C++, Matlab, Multisim, Verilog (HDL), EMU8086, Tanner EDA, AutoCAD, Lab View
- Languages: Fluent in English, Gujarati, and Hindi

### Relevant Coursework

Electrical Engineering Science I & II with lab Signals: Continuous and Discrete Intro to Electromagnetic Fields Stochastic Probability, Signals & Systems Digital Circuit Design with lab Microprocessor Systems (Intel i186EX) with lab

Electromechanical Energy Systems Electronic Devices and Circuits with lab Classical Control Systems with lab

Modern Control Systems with lab Digital Control Systems Analog & Digital Communication with lab VLSI Systems Design