

HARSHADA RAJMANE

Pune, Maharashtra | +91 9404561560 | harshada.rajmane@cumminscollege.in

PROFESSIONAL SUMMARY

Detail-oriented and analytical Instrumentation & Control Engineer with hands-on experience in manufacturing environments and industrial automation. Proven ability to define problems, systematically collect data, and draw valid conclusions to optimize production workflows. Skilled in effectively presenting technical data to managers and clients, operating Windows-based operating systems, and quickly mastering specialized software packages. Adept at applying common sense understanding to carry out complex instructions while maintaining a high standard of quality and safety.

TECHNICAL & OPERATIONAL SKILLS

Core Systems:	Windows OS, Microsoft Office Suite, and related productivity software.
Specialized Tools:	Advanced PC skills, including rapid adaptability and specialized training in internal software packages (such as Jabil's proprietary tools).
Automation & Design:	Siemens/Allen Bradley PLC (Ladder/FB), HMI/SCADA Design, PID Control, Industrial Protocols (Modbus/Profibus), AutoCAD Electrical, MATLAB/Simulink, PCB Design.
Instrumentation:	Sensor Interfacing, Data Acquisition, Control Panel Design & Testing, Python (Data Analysis).
Mathematics & Data:	Proficient in computing rates, ratios, percentages, standard units of measure, and drawing/interpreting data graphs.

SOFT SKILLS & COMPETENCIES

- **Communication:** Strong ability to write clear, simple correspondence, memos, and documentation; experienced in reading, understanding, and executing visual aids and technical instructions.
- **Presentation:** Effectively present technical information and confidently respond to questions from groups of managers, clients, and cross-functional teams.
- **Problem Solving:** Skilled in applying common sense to standardized situations, handling occasional variables, and resolving simple to complex operational tasks.

INDUSTRIAL EXPERIENCE

Jabil Circuit India Pvt. Ltd. — Industrial Intern

Pune, India

- Utilized advanced PC skills and trained extensively on **Jabil's software packages** to maintain assembly line tracking, ensure operational compliance, and preserve high data accuracy.
- Executed precise physical assembly and strict Quality Control (QC) operations for high-profile global projects including Schneider Electric, Thales, Alstom, and John Deere.
- Interpreted visual aids, complex technical blueprints, and short workplace correspondence to carry out exact operational steps with zero structural errors.
- Collected manufacturing data, established baseline production facts, and drew valid engineering conclusions to resolve standardized line constraints under tight deadlines.
- Adhered strictly to international safety and manufacturing standards in a fast-paced, high-volume environment.

Concord Technologies Pvt. Ltd. — Industrial Trainee

Pune, India

- Contributed to HMI/SCADA graphic design and industrial automation workflow optimization using Windows-based software platforms.
- Assisted in control panel assembly, structural testing, and hardware validation of automated instrumentation by following precise visual and written schematics.
- Computed engineering rates, operational ratios, and electrical tolerances; drew and interpreted technical graphs to evaluate real-time component performance.

ACADEMIC PROJECTS

Precision Agriculture IoT System — Lead Developer

Academic Project

- Engineered an automated soil nutrient (N, P, K) prediction system utilizing color sensors (TCS3200) and IoT integration to modernize data-driven farming.
- Defined system problems, systematically collected sensor data metrics, established empirical soil health facts, and drew valid conclusions to calibrate predictive software models.

EDUCATION

B.E. Instrumentation & Control

Expected 2025

Cummins College, Pune

CGPA: 6.49

Diploma in E&TC Engineering

Completed 2021

SVPM College, Baramati

Percentage: 82.29%

CERTIFICATIONS & TRAINING

- **NPTEL:** Industry 4.0 & Industrial IoT Professional Certification
- **Workshop:** Advanced Deep Learning (ACM-W)
- **Workshop:** AutoCAD (3D/Isometric Technical Drawing)