

SAMIT ISMAIL SHAIKH

AUTOMATION & CONTROLS ENGINEER | ROBOTICS

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SUMMARY

Robotics and Automation graduate engineer with hands-on experience in PLC ladder logic, SCADA/HMI, and sensor-based automation, gaining manufacturing exposure as a Graduate Engineer Trainee at Autoline Industries. Built an RFID-based SCARA sorting robot and an automated occupancy-based lighting system. Seeking a full-time Controls/Automation Engineering role.

EDUCATION

B.E., Robotics and Automation <i>Dr. D Y Patil College of Engineering, Pune - CGPA: 8.35</i>	2022 - 2026
HSC, Class 12th <i>S.R.V.M Jr. College, Jath - Percentage: 66.67%</i>	2021 - 2022
Class 10th <i>S.R.V.M High School, Jath - Percentage: 95.80%</i>	2019 - 2020

EXPERIENCE

Graduate Engineer Trainee - Autoline Industries Ltd., Pune	June 2026 - Present
- Support press shop operations across a multi-press production line, tracking OEE and contributing to a measurable reduction in unplanned downtime through daily monitoring. - Assist production planning and material flow scheduling for 10+ SKUs, coordinating with quality control to maintain first-pass yield targets. - Participate in root-cause analysis (5-Why, Fishbone) for line rejections, contributing to corrective actions that reduced recurring defect categories. - Apply 5S and Kaizen principles on the shop floor, supporting continuous-improvement initiatives alongside senior process engineers.	
Intern - Anvi Cutting Tools, Pune	Jan - Feb 2025
- Assisted in developing and testing PLC ladder logic for 3+ automation stations, supporting sensor integration and fault diagnosis under senior engineer guidance. - Documented shop-floor automation processes and safety procedures, reducing troubleshooting time for recurring faults.	

PROJECTS

RFID-Based SCARA Robot for Automated Sorting
- Designed and built an RFID-based SCARA robot for automated pick-and-place sorting, achieving reliable identification and sorting across multiple object categories using tagged RFID identification. - Programmed the sorting logic and RFID-object mapping, improving sorting consistency over manual handling and reducing misclassification during testing.
Automated Lighting Control System
- Developed a microcontroller-based lighting system using occupancy and ambient-light sensors to automatically switch lighting, cutting unnecessary lighting run-time in test conditions. - Reduced manual switching intervention to near-zero in the test setup by fully automating ON/OFF control based on real-time occupancy and lux thresholds.

SKILLS

Automation & Controls: PLC Programming (Siemens TIA Portal, Allen-Bradley RS Logix/Studio 5000, Mitsubishi GX Works), SCADA, HMI (WinCC), Industrial Sensors & Actuators, PID Control, VFDs

Manufacturing & Production: Root Cause Analysis, 5S, Kaizen, Kanban, OEE Monitoring, Production Planning, Quality Control

Building Automation: HVAC (Basics), BMS

Engineering Tools: Microsoft Excel, Microsoft Word, Microsoft PowerPoint

CERTIFICATIONS & TRAINING

- ISO 9001:2015 Certified Industrial Automation Engineer - Modern Institute of Automation
- Hands-on training in PLC, SCADA, HMI, industrial sensors, VFDs, and control panels