Shaikh Mujaffar Majjid

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SUMMARY

Electronics and Telecommunication Engineering student with hands-on experience in **PLC, SCADA, Embedded Systems, and IoT**. Experienced with **RSLogix 500, RSLinx, and FactoryTalk View**, with practical projects in industrial automation, including **PLC-SCADA Boiler Control Plant** and conveyor automation. Interested in industrial automation, control systems, and embedded technologies.

EDUCATION

Pune Institute of Computer Technology, Pune University — Pune, India
B.E. Electronics and Telecommunication Engineering — Aug 2024 – Present
CGPA: 9.3

Puranmal Lahoti Government Polytechnic, MSBTE University — Latur, India
Diploma in Electronics Engineering — Aug 2022 – Jun 2024
Percentage: 91.88% – Secured first position in the ENTC department.

Saraswati Vidyalaya — Latur, India
Percentage: 89.60% — Jun 2016 – Jun 2019

EXPERIENCE

Automation Training – PLC, SCADA & HMI — Pune, India
Just Engineering Technology — Aug 2026 – Present

- Gained hands-on practical knowledge of industrial automation using **Siemens** and **Allen-Bradley** PLCs, along with SCADA and HMI platforms.
- Developed and tested PLC programs using ladder logic for industrial automation and sequential control applications.
- Worked on SCADA and HMI development, including tag configuration, device communication, monitoring, and control of industrial processes.
- Designed and implemented multiple automation projects involving **PLC, SCADA, HMI, timers, counters, sensors, and actuators**.

Embedded Developer Intern — Pune, India
SmartTech Solutions — Jan 2026 – Feb 2026

- Gained hands-on experience in PCB design, Arduino programming, power management, PLC programming, and basic soldering.

PROJECTS

Boiler Control Plant using PLC and SCADA — *RSLogix 500 | RSLinx | FactoryTalk View*

- Developed an automated boiler control system using PLC for water level and temperature monitoring and process control.
- Controlled reservoir, pump, inlet/outlet valves, and heater with real-time status and condition-based operation.
- Designed a FactoryTalk View SCADA interface with process visualization, alarms, trends, navigation, and operator controls.
- Established PLC-SCADA communication using RSLinx for real-time monitoring and control.

SMS-Based Smart EVM using Arduino — *Arduino | GSM | I2C LCD*

- Designed an Electronic Voting Machine enabling remote voting through mobile communication and displaying voting results on mobile devices.

TECHNICAL SKILLS

Programming: PLC Programming (Ladder Logic), Embedded C, Assembly (Basics)
Microcontrollers: ATmega328P, ESP32, STM32
Sensors: DHT11, Dash Sensor, MQ-3, MQ-6, Proximity Sensor
PCB Design: Proteus, EasyEDA
Software: RSLogix 500 (Rockwell Automation), Siemens TIA Portal, FactoryTalk View, Arduino IDE, Multisim
Communication Protocols: PROFINET, PROFIBUS, UART, SPI, I2C
Industrial Skills: PLC Programming, SCADA Implementation, PCB Design, Soldering

ACHIEVEMENTS

- Winner – Inter-college Smart India Hackathon (SIH 2024).
- Third Place – State-level Quiz Competition, MSBTE.
- Consolation Prize – State-level Paper Presentation, MSBTE.
- State-level Runner-up – Badminton.
- State-level Basketball Player.

EXTRA-CURRICULAR

- Completed a 6-week PCB Design course through Industrial Training.