RESUME

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MAYUR SONAR

Engineer. Control Systems

My background in Electronics and Telecommunication Engineering, coupled with my experience in Industrial automation software development, software validation and testing. During my previous role I honed my skills in PLC programming, report generation scripting, communication effectively with customers, and ensured the quality of critical systems.

My experience in troubleshooting and problem-solving in the field of industrial automation has equipped me with a strong analytical mindset and the ability to identify and resolve the issues efficiently.

I take pride in my ability to quickly adapt to new tools and processes. I firmly believe that learning is a continuous journey, and acquiring new skills is not a daunting challenge but an exciting opportunity.

CORE COMPETENCIES	PROFILE SUMMARY
PLC Automation systems **HMI, SCADA Development** **Redundant & fail-safe systems** **Troubleshooting**	• Currently associated with Tata Consultancy Services, Pune as an Engineer Controls System • Proficient in Engineering and implementation of PLC Control System, HMI, SCADA Development, Drives commissioning, Communication, erection & commissioning of projects • Proficiency in handling communication protocols like Profibus, Modbus, Industrial Ethernet, Profinet and MPI • Possess sound understanding of electroplating, steel product, rubber mixing, Crane. • A keen communicator with excellent team building & interpersonal skills with strong analytic, logical problem-solving abilities • Scripting languages VBScript , Python , C++, C# • Database Management basic knowledge – MSSQL, MySQL • Excellent in troubleshooting of Automation related, application related, Product related problems • Project Cycle document preparation, FAT, SAT

KNOWLEDGE PURVIEW

PLC	**Siemens:** S7-400, S7-400F/H [F/H/R Systems], S7-300, IM-CPU, S7-1200, S7-1500, S7-200, LOGO! **Rockwell Automation:** Micrologix , Compactlogix
Drive	**Siemens – G120	S120**
HMI	OP, TP, MP, KTP, Comfort Panels, Flexum, Kinco
SCADA	WinCC, TIA Runtime
Software	S7 Manager, WinCC, WinCC-Flex, TIA portal V-15.1, GX works-2, WinCC Comfort, Comfort Soft, Micro-win, Pro-Tool, Simotion Scout, Starter, Drive monitor, Siemens Drive Starter
Communication	MPI, Profibus-DP, Profinet, ModBus(RTU, TCP-IP), ASCII, Ethernet

ORGANISATIONAL EXPERIENCE

May 22 to Present (2 year)	**TCS, Pune** **Role:** Control System Engineer	**Skills:** Wind Turbine Control Software improvement · Software Validation and Testing · Remote Testing over hardware · MS Office · GE MarkVIe Controller family and related software tools (ToolBoxST, ControlST, EmulatorST)
Mar 20 to Mar 22 (2 year):	**VRYSM Solution, Nashik** **Role:** Industrial Automation Engineer	**Skills**: Logic Development · Project execution. · Ladder Logic FBD, STL · IO List Preparation, FAT, SAT, Cable Scheduling, Component Selection (PLC, HMIs, etc), Preparation of SOP , System Scheme

ACADEMIC DETAILS

2018	B.Tech. In Electronics & Telecomm. From SGGSIE&T, Nanded an Autonomous institute with 7.4 GPA
2014	12th from Vidya Niketan High School, C.S.T.P.S colony, Nagpur Divisional Board with 78.31 %
2012	10th from Vidya Niketan High School, C.S.T.P.S colony, Nagpur Divisional Board with 89.82 %

PERSONAL DETAILS

Date of Birth	21 March 1997
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EXTRACURRICULAR ACTIVITIES

Sports: Volleyball

- **Participation in University Level competition as team captain**
- **Winner in Intercollege competitions as team captain**

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ANNEXURE – KEY PROJECTS

1

Project Name:	Plating System- 2 Transporters
Client/Place:	Nashik
Product:	Different type of plating.
Process/Machine:	Electroplating
System:	S7-1200, V20 Drives.
Role:	Software Development
Brief description:	Two transporter system on two different line it will follow the process cycle in auto mode. Continuous auto cycle will increase the production as well as reduce the inaccuracy.

2

Project Name:	JSW, Steel Coil Packaging
Client/Place:	JSW Bangalore
Product:	Steel Coil Packaging
Process/Machine:	
System:	S7-1200
Role:	Process efficiency improvement, Software Development
Brief description:	Successfully analyzed developed logic and process to improve production efficiency

3

Project Name:	Plating System – Barrel
Client/Place:	Shreeji Electroplaters, Vadodara, Gujrat
Product:	Different type of plating.
Process/Machine:	Electroplating
System:	S7-1200, V20-Drives.
Role:	Software Development
Brief description:	Up-grading of logic according to client requirement for flexibility in auto process.

4

Project Name:	SMS-3
Client/Place:	SAIL, Chattisgarh.
Product:	Steel Beams Manufacturing.
Process/Machine:	Caster, Crane's (300 Ton).
System:	S7-400H, S120, AB Micrologix 1400.
Role:	Software Development, Commissioning & Troubleshooting/ Maintenance Support .
Brief description:	3 Casters each 22 plc out of them 7 H redundant 2 Safety. Up-grading logic for two cranes for scrap movement having Micrologix 1400 PLC for magnet operation through DC Drive. Maintenance support for S120 drives for 300 Ton cranes(8 Cranes).

5

Project Name:	TKP Machine.
Client/Place:	Siemens Aurangabad.
Product:	MCB Testing.
Process/Machine:	MCB Testing and Padding Unit.
System:	S7-300
Role:	Software Development
Brief description:	2 S7-300 PLC , one for testing machine and other for padding and scanning. Communication with cobot which for pick and place.