

BHUSHAN SINGH
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Objective:

To work for a company as an Automation engineer, offering a potential growth in the field of instrumentation, automation engineering and MES field, to synchronize with the objectives of the organization, thereby contributing to the growth of the organization, and to have a bright career in the field of Automation, Control and Database Technologies.

Educational Qualifications:

- **Diploma in Instrumentation** from Mumbai University.
- Bachelor of Engineering in **B Tech Electronics** from Pune (YCM) University (Appeared).

Work Experience:

- **Total 4+ years** in Industrial Automation.
- 1 Year in **Automaion & Software Solutions, Pune as a Service Engineer.**
- 2 Years in **Cotmac Electronics Pune as a System Engineer.**
- **Sr. Software Engineer in Sarla Technology, Mumbai till date.**
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SKILLS:

SCADA	WinCC (Siemens), RS View 32 (AB)
PLC	Siemens S7-300,S7-400, Allen Bradley SLC-500
DCS & PLC Software	Siemens DCS (PCS7), Step 7, RS Logix,
HMI	Win flex, OP, TP, PROTOOL
HMI Software	Win flex, OP, TP, PROTOOL

Expertise On:

Experience in Automation and Control industry:-

- Experience in Siemens DCS System PCS7.
- Experience in PLC programming software Siemens STEP7, RSLogix 500.
- Good Project analysis, designing and project development skills.
- PLC control Panel Engineering and Designing.
- Loop Testing.
- Commissioning and Pre-Commissioning.
- Third Party Communication.
- ASI Communication.
- DP, PA Communication.
- SCADA, HMI Development.
- Documentation.
- Testing.

- Process design & development, S88 standards.
- Siemens and Rockwell System Hardware Configuration.
- Basic Training on Emerson DCS Delta-V.

Industries worked with: - Food & Beverage Industries, Manufacturing Industries, Automotive Industries, Oil & Gas Industries, Pharmaceutical.

Project Details (SIEMENS DCS & PLC):

1) Project Name: ALGIDA (UNILEVER) Ice-cream Plant.
Client : ZI-ARGUS, Bangkok, Thailand..

Project Highlights:

- Use of S88 Standards
- SIEMENS DCS PCS7 V7.0
- Siemens PLC 417-2H
- All I/O's on Profibus DP
- Interface of FESTO Module (CP FB9 & CP FB13) through Profibus with Siemens ET 200M Interface Modules.
- Server-Client Configuration.
- Configuration of HMI MP270 with Siemens DCS System through TCP/IP Protocol.

Personnel Contribution:

- DCS Software Development with S88 Standards.
- Development of User Interface Graphics and Animation in the Scada Wincc 6.0
- Panel Engineering & Designing.
- Electrical Drawings
- FAT Preparation and Execution.
- I/O Testing
- Pre-Commissioning
- Commissioning
- Documentation according to standards

2) Project Name: Power Plant ADGAS, (UAE)
Client : Siemens LLC, Abu Dhabi, UAE.

Project Highlights:

- SIEMENS DCS PCS7 V6.1
- Siemens PLC 417-2H
- 3000 I/Os.
- Redundant Configured PLCs 417-4H
- Configuration of Si-protect Relays on Profibus.
- ESM/OSM Configuration for the Fiber-optic and Ethernet Cable

Communication.

- Server-Client Configuration.

Personnel Contribution:

- DCS Software Development with S88 Standards.
- Development of User interface Graphics and Animation in the Scada WinCC V6.0
- Panel Engineering & Designing.
- Electrical Drawings
- FAT Preparation and Execution.
- I/O Testing
- Pre-Commissioning
- Commissioning
- Documentation according to standards

**3) Project Name: JINDAL STEEL PLANT
Client : SIEMENS INDIA LTD**

Project Highlights:

- SIEMENS DCS PCS7 V 6.0
- Siemens PLC 416-2DP
- Dan Foss Drive Communications.
- Communications with other Siemens PLCs through TCP/IP Protocol.

Personnel Contribution:

- DCS Software Development.
- Panel Engineering & Designing.
- Electrical Drawings
- FAT Preparation and Execution.
- I/O Testing
- Pre-Commissioning
- Commissioning
- Documentation according to standards

**4) Project Name: Asian Paint Ltd
Client : SIEMENS INDIA LTD**

Project Highlights:

- SIEMENS DCS PCS7 V 6.0
- Siemens PLC CPU 417-4H, Use the DP-PA Link to Communicate the Process Devices through Profibus with PDM Configuration.

- Communications with other Siemens PLCs through TCP/IP Protocol.

Personnel Contribution:

- DCS Software Development.
- Panel Engineering & Designing.
- Electrical Drawings
- FAT Preparation and Execution.
- I/O Testing
- Pre-Commissioning
- Commissioning
- Documentation according to standards

5) Project Name : GMR Sugar Industry
Client : SIEMENS INDIA LTD

Project Highlights:

- SIEMENS DCS PCS7 V 6.1
- Siemens PLC 416-2 DP
- Micro-Master Drive Communication
- Modbus Communications.

Personnel Contribution:

- Work as a Project Leader.
- Done the Electrical Installation and Calibration of all Install Instruments in the Field.
- DCS Software Development
- Project Commissioning.
- Documentation according to standards

6) Project Name: Dr. Beck India Ltd.
Client : SIEMENS INDIA LTD

Project Highlights:

- SIEMENS DCS PCS7 V 6.0
- Siemens PLC CPU 416-2DP, ET 200-S Interface Modules.
- Batch Process with S88 Standard.

Personnel Contribution:

- DCS Software Development
- Project Commissioning.

- Documentation according to standards

7) Project Name: ADNOC Power Plant, DAS ISLAND. UAE
Client : SiemensLLC Abu Dhabi.UAE

Project Highlights:

- SIEMENS DCS PCS7 V 6.1
- Siemens PLC CPU 417-4H, ET 200-M Interface Modules.
- Server Client Configuration.
- Redundant Configuration in Automation System.

Personnel Contribution:

- DCS Software Development.
- Panel Engineering & Designing.
- Electrical Drawings
- I/O Testing
- Pre-Commissioning
- Commissioning
- Documentation according to standards

8) Project Name: Dr. Reddys Laboratory
Client : SIEMENS INDIA LTD

Project Highlights:

- SIEMENS DCS PCS7 V6.1
- Siemens PLC 416-2DP
- DP/PA Link
- Redundant Configuration in Automation System.

Personnel Contribution:

- DCS Software Development
- Project Commissioning.
- Documentation according to standards

9) Project Name: Crown Milk
Client : APV, Denmark

Project Highlights:

- Simatic Step7 V 5.4
- PC Station with Panel PC.

Personnel Contribution:

- PLC Software Development.
- Panel Engineering & Designing.
- Electrical Drawings
- I/O Testing
- Pre-Commissioning
- Commissioning
- **Documentation according to standards**

10) Project Name: DGP Hinodaya
Client : SIEMENS INDIA LTD.

Project Highlights:

- Simatic Step7 V 5.4
- Win flex 2005 Advanced
- SIWAREX Module Configuration.

Project In Brief: Project consists of Sand Mill Automation. It consist of the Conveyor line. RM Sand Powder is Filled up in the hopper and is calibrated through the SIWAREX Tool. Then it will pass through conveyor and it will compact to a various shapes to make mold for the Industrial use.

Personnel Contribution:

- PLC Software Development.
- Panel Engineering & Designing.
- Electrical Drawings
- I/O Tesging
- Pre-Commissioning
- Commissioning
- Documentation according to standards

11) Project Name : Arla Bov
Client : APV, Denmark

Project Highlights:

- Use of S88 Standards
- Siemens PLC S7-400 (416-2DP)

Personnel Contribution:

- PLC Software Development.
- Panel Engineering & Designing.
- Electrical Drawings
- I/O Testing
- Pre-Commissioning
- Commissioning
- Documentation according to Standard

11) Project Name : WFI Dosing, Pharmaceutical Plant
Client : PRC Engineering, Scotland.

Project Highlights:

- Use PCS7 Standards
- Off-Shore Development.
- PCS7 V 7.0 SP1

Personnel Contribution:

- Work as a Team Leader.
- DCS Software Development.
- Done the all coding in SFC Types structure in DCS.

12) Project Name : Dannon Al-Safi
Client : APV, Denmark

Project Highlights:

- Siemens Simatic Step7 Version 5.4 SP3
- Off-Shore Development.

Personnel Contribution:

- PLC Software Development.
- Done the all coding in Functional Block Diagrams Language

