**PAVE**

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**Tamil, English, Hindi**

**CAREER**

**OBJECTIVE:**



To get hold of a valuable position, in which I am given the chance to play a direct role in the limitless growth and achievement of solid organization.

**EXPERIENCE:**

# INSTRUMENTATION & CONTROL ENGINEER 6 YEARS & 2 MONTHS

* C&I Maintenance engineer in coal handling section in 4620 MW power plant ADANI POWER LTD., MUNDRA, GUJARAT. (Oct-2017 to Present)
* C&I Maintenance engineer in Coal & Ash handling section in 9\*135 MW power plant VEDANTA LTD., JSG, ORISSA. (July-2014 to Aug-2017)
* Responsible for developing, managing & maintaining equipment which are used to monitor & control machine & process.

**TECHNICAL SKILLS:**

# AUTOMATION SKILLS

**PLC** o Sound knowledge of programming & maintenance of PLC Make Allenbradley control, compact, micro & flex logixs controllers.

* Familiar with **AB 1756-** series I/O modules and **control logix** controller.
* Experience in Installing & configuring AB I/Os, controlnets, ethernets & redunduncy module.
* Experience in AB plc firmware updation & Controller Migrations. o Experianced in commisioning **AB Micro logic 1500** LSP series C controller and I/O modules.
* Knowledged in programing Siemens **simatic s7-300, s7-400** PLC and knowledge in I/O Interface IM modules and Profibus DPs.
* Familiar with RS logix 5000 & 500, Step 7 (PLC) softwares ( Programmed PLC in **LD-**Ladder Logix, **FDB**- Function Block Diagram & **ST**- Structured Text).
* Knowledge in programming **GE PLC** (CPU 374) 90-30 series and versamax series plc using **Proficy Mechine Edition** logic developer software.
* Familiar with ABB AC500 PLC & PS501 Control Builder based on **CoDeSys** logic developer software.
* Experianced in programing **Omron** Micro PLC using **CX one** software. o Experianced in programing **Telemecanique** micro PLC using **Twido Suite** software.

## SCADA/DCS/HMI

* Familiar **with Factory Talk, Vijeo citect, Cimplicity & King view** (SCADA &HMI) softwares ( Grapics Development, Alarm & Trend configuration, SQL Data Logging). Knowledge in Global object and parameter passing in FT SCADA.
* Experiance in Programing ABB HMI using **CP400** HMI Software and AB HMI using **Factory TalkMechine Edition** Software.
* Experience in developing Critical alarm audio buzzer annunciation system. o Familiar with RS LINKS & OPC servers softwares for data acquisition from AB PLC. o Essential knowledge in **LabView DCS** softwares.
* Knowledge in **MIMIC** Board development.

## COMMUNICATION PROTOCOLS

* Knowledge in Configuring Wireless Communication, Experianced in Wireless LAN communication configuration **PROSOFT** Radio Links (**802.11 Industrial Hotspot**). o Knowledge in communication protocols such as Controlnet, PS direct, ABCLX. o Knowledge in Network configuration using Ethernet switch and optical converters. o Experianced in IO list preparation, PLC power & communication diagram preparations. o Knowledge in **Atmel microcontroller & KeilC programing**. o Knowledge in communication troubleshooting in LAN networks, **AB controlnets & SIMPLEX ID-net**.
* Experience in Biometric device installations and LAN network configuration.

**FIELD INSTRUMENTS KNOWLEDGE**

* Knowledge in installation & servicing of Remote process handlings such as **level Transmitters (AB LM 200**), **PT 100** RTDs, Vibration transmitters( PRO makes), & Vertical, floating and capacitance level switches.
* Knowledge in installation of **MOV**s (**AUMA** Makes) for Multi-turn operations.
* Experianced in panel comissioning and wiring of PLC and MCC panels.
* Knowledge in calibrating conveyor **belt weighing**(Ramsey 2000 series), pressure& temperature gauges & switches, DP- Switches, Temperature switches and Density meters.
* Knowleded on Rexorth hydrolic **Proportinal** **Valves, 2-way Directional Poppet valves, Single Axis Joystics** (Gessmann Make) & **SOV**s**.** o Exposure in digital control applications for automation in the process plant(such as PID Temperature controllers, Vibration Monitering devices).
* Installed Wireless communication for dynamically positioning devices such as stacker/reclimber.
* Familiar with Metal decectors, Scoop Coupling and Linear Electical Actuator Motors. o Commising experience in Safety devices such as PCS, BSS, ZSS and CBS.
* Knowledge in **Fire fighting system** (Deluge valves, FACP & ID-net devices such as smoke detectors, addressable modules, Relay modules, isolator modules, Manual pullstation).
* Knowledge on Instrumentation & electrical diagram. o Well versed with panel wiring and troubleshooting.

**PROJECTS HANDLED AS LEAD :**

* Sequencing logic for conveyors ( Group/Path sequence) o Commisioned complete dry fog Pump House unit with PLC, SCADA control and field instruments such as level, flow and pressure transmitters .
* Commisioned vibration and temperature monitering panels for motors and conveyor equipments protections.
* Commisioned various belt conveyor protection devices such as speed moniters, through cuts, load/tension travel moniters, tear and sway detectors, Metal detectors.,. o Converted critical safety field instrumentation from single to triple redundancy( X of N logic). o Emergency shutdown system (ESD) logic developed for PLC malfunctioning.
* Energy conserving logix for subordinates as well as main streams (**EnMS PROJECT**) o Developed audio annunciation system for critical alarms.
* Logical interlocks developed main system with subordinates (Fire defender & dust handler) o DTMF based security prototype with Home & moble Autmation. (Academic)

**PERSONAL SUMMARY :**

* Creative problem solving & troubleshooting skill. o Excellent critical thinking & high level of numeracy o Good communication & interpersonal skills o Strong team work skill with an ability to motivate others & to lead/manage team & projects o Flexibility & ability to compromise o Willingness to accept responsibility & make decisions.
* Understanding ability to work with high—level computer technology o Coordinating different language people in maintenance work
* Conducting various trainings to develop Second level employees technical skill o Conducting toolbox talk before work to ensure workers safety and grievance talk to meet their needs
* Review works with senior management periodically

**EDUCATION:**

## Coimbatore, Tamilnadu Anna University Fall 2009-2013

o BE in Instrumentation and control engineering, June-2013, GPA: 8.0 o HSS from state board of Tamilnadu, Apr-2008, 80% o SSLC from Board of Matriculations, Apr-2006, 71%

**PERSONAL INFORMATION:**

**DOB**: 12-Apr-1992 | **Gender**: Male | **Passport**: In Hand | **Salary**: Negotiable | **willing to relocate**: Yes