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|  | PAVENDAN R | [pavendan@live.com](mailto:pavendan@live.com)  mail@pavendan.com  +918807555865  Tamil, English, Hindi |

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 5 YEARS & 4 MONTHS**

* C&I Maintenance engineer in coal handling section in 46200 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-2013 to Aug-2017)
* Responsible for developing, managing & maintaining equipment which are used to monitor & control machine & process.

EDUCATION:

**Chennai, Tamilnadu Anna University Fall 2009-2013**

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

TECHNICAL SKILLS:

* **AUTOMATION SKILLS**
  + *Sound knowledge of programming & maintenance of PLC Make Allenbradley control & flex logixs.*
  + Familiar with ***AB 1756-control logix*** *controller series & Siemens* ***simatic s7-300, s7-400****.*
  + Installed & configured *AB I/Os, controlnets, ethernets & redunduncy module.*
  + Familiar with *RS logix 5000 & 500, Step 7 (PLC), Factory Talk, Vijeo citect, Cimplicity & King view (SCADA &HMI) softwares*.
  + Knowledge in AB plc firmware updation & Controller Migrations.
  + *Knowledge on programming* ***GE PLC*** *using* ***Proficy Mechine Edition.***
  + Familiar with ABB AC500 PLC & PS501 Control Builder based on **CoDeSys.**
  + *Experianced in Program Modifications for ABB HMI using* ***CP400*** *HMI Software and AB HMI using* ***Factory Talk-Mechine Edition*** *Software.*
  + Programmed PLC in **LD-**Ladder Logix, **FDB**- Function Block Diagram & **ST**- Structured Text.
  + Experianced in Network configuration using Ethernet switch and optical converters
  + Experience in Biometric device installations and LAN network configuration.
  + Experianced in IO list preparation, PLC power & communication diagram preparations.
  + *Familiar with RS LINKS & OPC servers.*
  + Basic knowledge in **LabView DCS** softwares.
  + Knowledge in ***Atmel microcontroller & KeilC programing***.
  + Knowledge in communication troubleshooting in *LAN networks,* ***AB controlnets & SIMPLEX ID-net****.*
* **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 level switches.*
  + 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) & **SOVs.**
  + 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 Shaft Actuator.
  + 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.
  + Well versed with panel wiring and troubleshooting.

PROJECTS HANDLED :

* Sequencing logic for conveyors
* Converted field instrumentation of critical securities from single to triple redundancy.
* Emergency shutdown system (ESD) logic developed for PLC malfunctioning.
* Energy conserving logix for subordinates(**EMS PROJECT**)
* Logical interlocks developed main system with subordinates (Fire defender & dust handler)
* DTMF based security prototype with Home & moble Autmation.

PERSONAL SKILLS :

* Creative problem solving & troubleshooting skills.
* Excellent critical thinking & high level of numeracy.
* Good communication & interpersonal skills.
* Strong team work skill with an ability to motivate others & to lead/manage team & projects.
* Flexibility & ability to compromise.
* Willingness to accept responsibility & make decisions.
* Understanding ability to work with high—level computer technology.

MANAGEMENT SKILLS : (as of current job profile)

* Coordinating different language people in maintenance work.
* Conducting various training to develop Second level employees technical skills
* Critical & essential Spare Management.
* Conducting toolbox talk before work to ensure workers safety
* Conducting grievance talk to meet their needs
* Review works with senior level management periodically

DOCUMENTARY SKILLS :

* Familiar in Data processing software such as SAP
* Preparing work schedule annually
* Risk assessment for all works
* Preparing safe work procedure
* Preparing checklist for scheduled works
* Recording data based on checklist for periodical review
* Preparing Root cause analysis reports(Fishbone analysis)

PERSONAL INFORMATION

DOB : **12 Apr-1992**

Gender : **Male**

Passport : **In Hand**

Salary : **Negotiable**

Willing To Relocate : **Yes**

Language proficiency: **Tamil (speak, read and write)**

: **English (speak, read and write)**

: **Hindi (speak)**

Marital status : **Single**