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|  | *PAVENDAN R* | * *pavendan@live.com* * *mail@pavendan.com* * *+91 9726418827* * *+91 8807555865*   *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 & 4 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-2013 to Aug-2017)*
* *Responsible for developing, managing & maintaining equipment which are used to monitor & control machine & process.*

***TECHNICAL SKILLS:***

***AUTOMATION SKILLS***

***PLC***

* + *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.*
  + *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.*
  + *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 Talk-Mechine Edition*** *Software.*
  + *Experience in developing Critical alarm audio buzzer annunciation system.*
  + *Familiar with RS LINKS & OPC servers softwares for data acquisition from AB PLC.*
  + *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****).*
  + *Knowledge in communication protocols such as Controlnet, PS direct, ABCLX.*
  + *Knowledge in Network configuration using Ethernet switch and optical converters.*
  + *Experianced in IO list preparation, PLC power & communication diagram preparations.*
  + *Knowledge in* ***Atmel microcontroller & KeilC programing****.*
  + *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****.***
  + *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.*
  + *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 AS LEAD :***

* *Sequencing logic for conveyors ( Group/Path sequence)*
* *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.,.*
* *Converted critical safety field instrumentation from single to triple redundancy( X of N logic).*
* *Emergency shutdown system (ESD) logic developed for PLC malfunctioning.*
* *Energy conserving logix for subordinates as well as main streams (****EnMS PROJECT****)*
* *Developed audio annunciation system for critical alarms.*
* *Logical interlocks developed main system with subordinates (Fire defender & dust handler)*
* *DTMF based security prototype with Home & moble Autmation. (Academic)*

***PERSONAL SUMMARY :***

* *Creative problem solving & troubleshooting skill.*
* *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*
* *Coordinating different language people in maintenance work*
* *Conducting various trainings to develop Second level employees technical skill*
* *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***

* *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%*

***PERSONAL INFORMATION:***

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