**Resume**

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 Panvel (410206)

Objective:- I aim to seek challenging position in an organization where I could use my skills and add value to the organization for the mutual success.

Qualification:-

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sr. No. | Qualification | University | Institute | Year | Percentage | Class |
| 1 | BE (Electrical) | Mumbai University | MGM’s college of Engineering and Technology | 2019 | 77 % | DISTINCTION |
| 2 | H.S.C | MaharashtraState Board | N.N.Paliwala Jr college | 2015 | 83.69% | DISTINCTION |
| 3 | S.S.C | MaharashtraState Board | A.V.B.Phadke Vidyalaya | 2013 | 88.80% | DISTINCTION |

Automation Skills**:-**

 Electrical Control Panel

* Current calculation of 3phase AC Motors in kW & HP.
* Selection of switchgear for fuseless/fuse starter.
* Control wiring of switchgears (contactor,fuse,TOR) for DOL, RDOL and Star-Delta starters using 3TF30/3TF31.
* Drawing electrical control and power circuit diagrams of starters DOL, RDOL, STAR-DELTA.
* Checking starters wiring online and offline.
* Checking starters wiring on 220V & 440V panels as per electrical drawing.
* Preparations of Bill of Materials and Costing.

 AUTOCAD

* Practical hands on different drawing tools of AUTOCAD.
* Drawing electrical control and power circuit diagrams of starters DOL, RDOL, STAR-DELTA.
* Creating BOM/GA for project management in the software.
* Import of BOM from MS Excel.
* Converting drawing to pdf

 PLC :-Allen Bradley (Micrologix 1000,1100,1200,1500),Siemens(S7-1200),Delta (DVP-14SS2)

* Reading the electrical inputs and counting the I/O for PLC
* Bifurcation of ANALOG/DISCRETE inputs and outputs
* Wiring of input field devices from external power supply to PLC (Sink Mode/Source Mode)
* Designing a ladder logics using basic instructions like XIC,XIO,TIMER ,COUNTER and MATH instruction for controlling of different process

 SCADA : Wonderware Intouch

* Have knowledge about selection criteria of SCADA software with different packages and tags.
* Counting the INPUTS/OUTPUTS for the SCADA system
* Development of tags for the discrete input like switch/Sensor/push buttons
* Development of tags for the analog input like 4-20ma/0-10v for temp/pressure sensor
* MIMIC development with animation linking tags with different devices
* Real Time Trends and Historical Trends for Level/Temp/Pressure indication
* Interfacing MIMIC with plc ladder logic using Ethernet &RS232/USB Port

 HMI : EXOR Effective View

* Have knowledge about selection criteria of HMI for a project
* Creating screen for plant MIMIC in HMI.
* Connecting live project on Ethernet with PLC ladder logic.

 EPLAN :

* Creating project hierarchy
* Designing of DOL,RDOL,Star Delta control and power circuits
* Designing of GA drawing
* Creating Bill Of Material

 Variable Frequency AC Drive (VFD)

College Project:-

Title :-Smart Street Lighting System

 Aim :-To reduce the amount of energy consumption by sensing the vehicles.

 Major Components :-

 1. Arduino Uno

 2. IR sensor

 3. Light Dependent Resistor

 4.LED

 Functions :-

* IR sensor tracks the movement of the car.
* When a car moves near the sensor, the IR sensor send the signal to the controller.
* The controller now increases the intensity of the LED light.
* Hence we can save 30% to 40% of current as compared to conventional 1000 W continuous on lamps.

 Personal Details:-

 Father name :Devram Aher

 Mother name :Manisha Aher

 Age : 21 years

 Date of birth : 2nd July 1998

 Gender : Female

 Blood group : AB +ve

 Declaration :-

 I Prajakta Aher,hereby declare that the above mentioned information is up to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

 Signature

Prajakta Aher