|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Jignesh. J. panchal   |  | | --- | | Address: | | 61/4 , Godrej Creek side | | Colony, Vikhroli (E). | |  | | |  |  | | --- | --- | |  |  | |  |  | | Mobile: | 9167364303 | | Email: | panchaljp903@gmail.com | |

**Career Objective**

To serve my automation skills and engineering knowledge to the company where I will get selected.

**Academics**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course** | **Institute** | **University** | **CGPI/%** | **Branch** | **Year** |
| BE | K J Somaiya College Of Engineering | Mumbai University | 5.4 | Electronics | 2018 |
| HSC | Ruia College | Maharashtra Board | 65% | - | 2013 |
| SSC | Udayachal high school | Maharashtra Board | 82% | - | 2011 |

**Work Experience ( Ashida Electronics Pvt Ltd)**

* Currently working in Ashida Electronics Pvt Ltd for **10 months** as Project Engineer in **Railway Scada** **Automation**.
* Currently working in **REMS** (Railway Energy Management System) project.
* Worked in Kharagpur , Moradabad ,Delhi , and Nagpur for **Scada Commissioning** with **Server Setups.**
* **Software Configuration** with **Hardware Testing** was implemented at all the sites visited.

**Final Year Project**

* Project Title: Drilling Robot Using Cartesian Coordinate system
* Aim: To drill holes using coordinate system on any give surface.
* Components:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr.No | Components | Specifications | Quantity | Make |
| 1. | Motor driver  L293D | 16 pins , 5V supply works in both the directions. | 1 | Texas Instruments |
| 2. | ATmega 16 microcontroller | 40pins DIP,512 Bytes EEPROM  1K Byte Internal SRAM. | 1 | Atmel |
| 3. | Servo motor | Torque – 4.5kg Voltage: 5V, Speed: 0.1(sec) | 1 | Tower Pro-SG90 |

* Operation:

1. The inputs of x coordinate and y coordinate are given on the micro-controller with the help of a keypad (in mm).
2. These inputs given to the micro-controller are converts into electrical pulses due to which the motor driver L293D to shift the X bed and Y bed respectively.
3. By servo motor, through Z axis the hole is drilled at a desired point.
4. Hence by using this method, we can drill ‘n’ no. of holes on any given plate.

**Personal Details**

* Date of Birth : 1st May 1995
* Known Languages : Marathi , English , Hindi and Gujarati
* Martial Status : Single
* Nationality : Indian

**Declaration** : I hereby declare that the information provided by me is true to the best of my knowledge.