Priyanka Rohit Singh

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MMRD Colony,JLV Link Road ,Durga Nagar,Andhei East,Mumbai Maharashtra – 400060.

EXPERIENCE -2 yrs

SMEC Automation Pvt.Ltd, Mumbai — Embedded Trainee
Aug 2018 - Till Date
Working on PIC16F877A,AVR,ARM,ARDUINO,RASPBERRY PI

Hindalco Industries Pvt Ltd, Nagpur — Graduate Apprentice Trainee
July 2017 - July 2018
Practical Coordination of Organization Knowledge

Intellect Infotech Software & IT Solution, Aurangabad —Trainee(PHP)
Sept 2016 - June 2017
Working on Web Development project using PHP.

PROJECTS

Line Follower Robots:

Hardware: Arduino UNO ,L293D motor Driver,IR Module ,Power Supply

Software:Arduino

Description : One of the advanced mobile robots is the Line Follower Robot. It is basically a robot which follows a particular path or trajectory and decides its own course of action which interacts with obstacle. The path can be a black line on the white floor (visible) or a magnetic field (invisible). Its applications start from basic domestic uses to industrial uses, etc. The present condition in industry is they are carrying the parcels or materials one place to another place using the crane system.

Home automation:

Hardware: Arduino UNO,L293D Motor Drive,Bluetooth module,LED

Software:Arduino

Description: Home automation is the automation process of home appliances and other home functions so that controlled by phone.In this project controlled the LED and motor using Bluetooth. Its applications start in domestics, Hospital, Industries etc.

PIC 16f877A Microcontroller

- LED blinks after a delay given LED Blinking

- LED pattern generate by using the buttons.

- LCD display-Display string of character on 16x2 LCD using microcontroller.

- DC Motor Interfacing -Using the PWM and Controlling the speed.

- Keypad matrix 4:1 and 4:4 using show the character in LCD display

- POV Display.

ATMEGA32 Based Project:

- LED pattern generate with two switch.

- LCD display -Displaying string of character on 16X2 LCD using microcontroller.

- DC Motor Interfacing-Using the PWM and Controlling the speed.

ARM Based Project:-

- LED blinks after a delay given LED Blinking.

- Keypad 4x4 matrix used for display character on 16x2 LCD display

SKILLS

Programming Languages: C, Embedded C, PHP,Python, Arduino.

Scripting Language : HTML ,CSS

Software and Tools: MPlab IDE, Keil, Arduino IDE, Proteus, ORCAD,RASPBERRY PI Microsoft Office.

Pheipheral Interfacing :LCD,KEYPAD,SEVEN SEGMENT,DC MOTOR

Protocols: I2C,SPI

Operating Systems: Windows 98, 2000, XP, Vista, 7, 8.

EDUCATION

Bachelor of Engineering (B.E),Electronics and Telecommunication (2013 - 2016)
Villasrao Deshmukh Collage Of Engg.Technology, Mouda,Nagpur - l
CGPA: 6.77

Engineering Diploma, Electronics and Telecommunication (2011-2013)
BT Polytechnic, Nagpur.   Percentage: 72.20%

X II(Higher Secondary)
Year of Completion: 2011
HSC Board (Nanaji Joshi Jr. Collage Sahapur)

X(Secondary)
Year of Completion: 2009
SSC Board (Janta High School, Mouda.) Percentage: 82.15%

STRENGTHS:

- Hard Working,Honest
- Adaptable to any Environment
- Ability to quick learn new things.

REFERENCES

Mis. Madhuri Helchel

Assistant Manager,Hindalco Industries Ltd.
Madhuri.helchel@adityabirla.com