

AKARSHAN KUMAR

Ward no-2,pakar chowk,madhuban,chakmahila,Sitamarhi(843302),Bihar

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Career Objective:

To obtain a fresher position as a **software engineer** in a fast-paced organization where technical skills and creative thinking are useful. A highly motivated **software engineer** seeking to get a position in a reputed company, where I can use my skills and knowledge to learn new things and grow as a **software developer**.

Academic Qualification:

Course	College/School	University/Board	Year of passing	Percentage
10 th	Hellens School	CBSE	2013	93.1
12 th	Hellens School	CBSE	2015	70
B.tech(ICE)	Galgotias College of Engg. & tech.	AKTU	2019	72.38

Technical Competencies:

Operating system: Windows 8/10

Programming language: CORE JAVA, SQL, DATA STRUCTURE

Certifications: AMCAT certified for the role of **Software Development Trainee**

Training & Internship:

Trained in “**Embedded System**” by “**JCBRO LABS**”(12th June to 9th July 2018) under the guidance of ‘**SACHIN SHARMA**’

Title- Line following robot using atmega16 microcontroller

In this project, we learn to design a line follower robot with AVR ATmega16 microcontroller using Analog IR Sensor. This robot is an automatic robot i.e. no manual control is needed. The robot automatically follows a line without any deviation from the line. The robot changes its direction in case it deviates from the line. Generally, the line is of black colour on white surface or white line on black

surface. To detect white and black colour, we will use IR sensor because white surface reflects IR rays and black surface absorbs IR rays. In this way, the output of IR sensor differs in black and white surface.

Project:

Title: Home automation based on **Arduino UNO & Bluetooth HC-05**

Guide: Prof. Bishnu Deo kumar

Description: Initially we pair our phone's Bluetooth with that of system module HC-05. To turn on the system module we give power supply which is converted to 5v range via bridge rectifier circuit and voltage regulator. This 5v supply is given to Arduino. The code to turn on/off the respective loads is burnt in Arduino via system. The output of Arduino is given to ULN 2803 optocoupler IC. It increases Arduino output and passes the command to the electromagnetic relays which in turns activates the load. The loads are controlled by GUI commands given by our smartphone.

Technology: **Embedded C & Arduino IDE**

Year: 2018-19

Extra Curricular Activities:

- 1) Participated in 2 days national seminar on interdisciplinary approach of science at GCET'15
- 2) Participated in workshop of industrial Automation held by ICE deptt. GCET'18

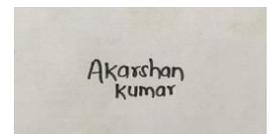
Achievements:

- 1) Secured **2nd** Rank in branch during final semester exams.

Declaration:-

I hereby declare that the above information provided by me is true & valid. I shall present the supporting documents as and when required.

DATE: 16/04/2021



Akarshan
Kumar