

# Resume

Sachin Kumar

**Course:** Bachelor Of Technology (B.Tech)

**Github Profile:** <https://github.com/sachinkum0009>

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## Objective

Work in a creative, innovative and challenging environment which helps organization to achieve its objective in the most efficient manner by applying my abilities as an efficient Team Member.

Educational Details				
Academic/Degree	Institute Name	Board/University Name	Percentage	Year
Bachelor Of Technology (B.Tech)	Gulzar Group of Institutes, Ludhiana	PTU	80%	2020
Higher Secondary	HVM Convent Sr. Sec. School, Ludhiana	CBSE	82%	2016
Senior Secondary	BRB Sr. Sec. School, Ludhiana	PSEB	82%	2014

Technical Skills	
Operating System	Microsoft Windows, Linux (Ubuntu),
Robot Frameworks	Robot Operating System (ROS) version 1.0, WeBots, Robotic Process Automation (Ui Path)
Programming Language	Core Java, HTML, JavaScript, C++, Flutter, Dart, Python
Framework	Django, Flask, Flutter, Jupyter Notebooks, Internet of Things (IoT),
Database	MySQL, SQL
AI Knowledge	Machine Learning, Deep Learning (Tensorflow, Keras)
Software Knowledge	Microsoft Office, MATLAB, SolidWorks
Electronic Software	Arduino, Raspberry Pi, Proteus 8.1, NodeMCU, ESP8266

## Trainings: -

### Machine Learning

Stanford University (Online)

Nov 2018 – Aug 2019

Machine Learning course by Andrew NG which is basic course that gives deep understanding of Mathematics and Algorithms

### KUKA Training P1 Level

Gulzar Group of Institutes (Ludhiana)

Jun 2018 – July 2018

KUKA College's course offerings include Robot Operation training, which prepares personnel who will be working with the robot, but not writing the programs it will execute. These courses include information on robot safety and selecting programs.

## Python

Hackerrank (Online)

Jan 2018 – Mar 2018

Python is a general purpose language that is easy to learn and use in solving real life problems. I have solved 30 days of programming problems to enhance my programming skills.

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### **Projects Worked On: -**

#### **Project 1.** Duckbot Robot (ROS)

May 2019 – Oct 2019

[https:// github.com/sachinkum0009/duckbot-ros](https://github.com/sachinkum0009/duckbot-ros)

#### **Technology used:**

ROS, Python, XML, Kinematics, etc.

#### **Description:**

It is a simple bot based on ROS. The bot has been made using URDF file and Gazebo plugins has been added, that include camera, driver motors and Lidar sensor.

#### **Project 2.** Design of Smart Farming in Green House with IoT

Aug 2019 – Nov 2019

[https:// github.com/sachinkum0009/mqtt-flutter](https://github.com/sachinkum0009/mqtt-flutter)

#### **Description:**

It is a IoT based project that focuses on technology to help farmers. In this project, various sensors: - temperature, soil moisture are used to get the data and used the NodeMCU to send the data to cloud that can be visualized by using the app made with flutter.

#### **Project 3.** Object detection

Aug 2019 – Sep 2019

#### **Technology used:**

Python, OpenCV, YOLO, Weights trained on various objects.

#### **Description:**

The project is based on the OpenCV and YOLO to detect the objects in the stream of video

#### **Project 4.** Sumo bot

Nov 2017 – Nov 2017

#### **Technology used:**

Basic Electronics, Mechanical System Design, etc.

#### **Description:**

One on one – Fighting Robot whose motive is to push the opponent's robot out of the ring.

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Personal Details	
Date of Birth	13 <sup>th</sup> August, 1998
Nationality	Indian
Marital status	Single
Linguistic ability	English, Hindi and Punjabi
Interests	Watch Movies, Listening songs, Playing Indoor Games & Cricket.
Permanent Address:	House no. 1055, Tajganj, Ludhiana, Punjab – 141008
Present Address:	Hno-19/3 Kanpur village, Saket New Delhi – 110062