

# Saurabh Kumar Singh

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## Education

### IIIT Naya Raipur

7.8 GPA

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

Aug 2016 - Present

### Dhata Inter College, Fatehpur

95.6%

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION UTTAR PRADESH

2015

## Internship

### Smartcow Co. Ltd, Hyderabad (IVA Intern)

GSTREAMER, GLIB, CUDA, NVIDIA-JETSON, MACHINE VISION INTERFACE, DOCKER

Jan 2020 - Present

- Understanding the IVA Workflow on NVIDIA's Jetson Platform, Understanding DeepStream SDK, developing IVA applications, experiencing with GStreamer, glib, OpenCV, CUDA, TensorRT, nvprof etc.

### CodeVector Labs LLP, Raipur (AI Research Intern)

OPENCV, COMPUTER VISION, OBJECT DETECTION, OBJECT SEGMENTATION

Jun 2019 - Aug 2019

- Worked on Object Detection(YOLO) , Object Segmentation(R-CNN, Mask R-CNN) and other computer vision techniques for our custom dataset in Cricket.

### National Health Mission Chhattisgarh (Android Intern)

ANDROID STUDIO, FIREBASE

Sep 2018 - Dec 2018

- Developed a health awareness app **Hamar Swasthya** which serves information related to recent prevalent disease, healthcare suggestion etc.

## Projects

### Multi-Label Classification on Street Fashion Dataset (Modanet)

KERAS, OPENCV, DEEP LEARNING, COMPUTER VISION

Jan 2019 - May 2019

- Performed object detection, segmentation and polygon detection to classify the clothes in an image. The dataset provides multiple polygon annotations for each image, associated with 13 meta fashion categories.

### Admission Query Chatbot

HTML, RIVESCRIPT

Aug 2018 - Dec 2018

- Developed a ChatBot which uses RiveScript and Node server and answer the admission related queries. RiveScript is a scripting language for building up a chatterbots's intelligence.

### Healthcare Management System

HTML, DJANGO, MYSQL

Jan 2017 - May 2017

- Developed a healthcare management system - (web application) for both Doctors and Patients. Patients can book appointments and Doctors can track the records of patients and schedule the appointments.

### Institute Weather Monitoring And Logging System

ARDUINO, DHT11 SENSOR

Mar 2017 - May 2017

- Developed a prototype to capture weather around institute and storing it in MySQL database via serial communication then accessing it to XAMPP server.

## Skills and Interests

### SKILLS SET

Languages: C/C++, Python, CUDA  
Framework: Tensorflow

### AREAS OF INTERESTS

IVA, CV, DL, Front End Dev.  
Toolkit: Deepstream SDK, Docker

## Scholastic Achievements

2019 Achieved **140th** rank on BrainWise Hackerearth ML Challenge.

2019 **Industry Academia Meet-2019, IIITNR** (Secured **Runner UP** position)

2015 **Medhavi Chhatra Samman** (Secured **8th** Rank in State in Intermediate)

## Major Courses

Deep Learning, Artificial Intelligence, Computer Vision, OOPS  
Data Science, Machine Learning, Data Structure and Algorithms