

# Pankaj Singh Chamyal

Third Year A.I undergrad at Sage University  
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## EDUCATION

**SAGE UNIVERSITY|2018-2022** BTECH  
ARTIFICIAL INTELLIGENCE  
Engineering  
Cum. GPA: 8.4/10

## LINKS

Github://pankajsinghchamyal  
LinkedIn:// pankaj-singh-chamyal-70a373176

## SKILLS

### PROGRAMMING LANGUAGES

Python • Java(basic) • C++  
(Basic) • Html/CSS •  
JavaScript (Basics) • MySQL  
• Git (Basics) • Tableau  
(basic)

### LIBRARIES

NumPy • Pandas •  
Matplotlib • OpenCV • Scikit  
Learn.

### FRAMEWORKS

TensorFlow • Darknet

### HARDWARE

Familiar: Arduino •  
Raspberry pi

### CERTIFICATIONS

- Introduction to TensorFlow for Artificial Intelligence, Machine learning and Deep Learning from Coursera
- DL0101EN: Deep Learning Fundamentals with Keras.
- DL0110EN: Deep Learning with Python and PyTorch.
- DL0110EN: Deep Learning with Python and PyTorch.

- DL0120EN: Deep Learning with Tensorflow.
- MITx 6.431x Probability – The Science of Uncertainty of Data.
- Python for Computer Vision using OpenCv and Deep Learning.
- Ultimate MySql BootCamp from Udemy..

## PROJECTS

### SOCIAL DISTANCING APP

Personal Project

- This project gives realtime output bounding box on persons those who came closer to a certain distance in the Cam as red and green those who are safe , and also count the No. of person at risk . Using **Yolov4 And Darknet And Opencv.**

### CAT AND DOG CLASSIFIER

Personal Project

- I used **CNN , Deep Learning** to classify the Cat , Dog . I used 3 Conv2D , and 2 Dense layer , activation function ReLu and output layer activation function as sigmoid .loss function binary\_crossentropy and optimizer adam.

### AUTOMATIC WATER IRRIGATION AND ALERT SYSTEM

University Project

- Using **Arduino , DHT22 sensor , GSM Module , relay , probe , lcd , motor** .  
Working :- when the moisture level of sand get low it automatically switch on the motor pump and when it get sufficient to a set parameter it switch off automatically . And send message on switching on and off.

### COVID-19 INTERACTIVE DASHBOARD IN TABLEAU

Personal Project

- This Project uses data from the EU Open Data Portal and the dashboard shows interactive widget . Showing Mortality rate , active case , maximum cases by country , total deaths , also interactive charts and geographical representation.  
Link :  
[-https://public.tableau.com/profile/pankaj.singh.chamyal#!/vizhome/udemycovid-19/Dashboard1](https://public.tableau.com/profile/pankaj.singh.chamyal#!/vizhome/udemycovid-19/Dashboard1)