

# CHIRAG SAINI

**Status:** B.Tech CSE, Python Developer, Deep Learner Practitioner  
**Fields:** Python Developer, Deep Learning, Web Dev  
**Techs:** Python, Django, JavaScript, Keras, Sci-kit Learn, Flutter, ReactJS  
**Activities:** Machine Learning, Fitness, Development

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## Summary

Computer Science graduate with an emphasis on Problem Solving and Analytical Thinking. Skills include Python and its various related frameworks/libraries such as Sci-kit learn, Django, Flask, Keras. Android Development using Dart and Flutter. Able to apply creative thinking to improve user experience surroundings.

## Work Experience

**Subject Matter Expert** - Chegg.com

Oct 18 - Dec 18

- Working as an online expert to help the students with the queries and question related to various fields of Computer Science
- Type of work: Freelancing

## Experience/Projects

**INSTGRAM HOME CLONE** - ReactJS|Firebase|JavaScript

July

- Instagram home Clone created using ReactJS and Firebase as Backend.
- Features: Authentication, Upload Post with Caption, Add Comment

**NETFLIX CLONE** - ReactJS|Firebase

Jun - Jul

- Netflix Clone created using ReactJS and Firebase as Backend.
- Content loaded dynamically using TMDB API.

**Realest Estate E-Commerce** - Django|ReactJS|Sass

May 20 - June 30

- E-Commerce Website in which you can post your ads of various houses as for sale or for lease
- FrontEnd: reactJS, Sass BackEnd: Django, Django Rest Framework, Database: PostgreSQL

**Covid19 Dashboard** - Python|Streamlit|Pandas

April 20

- Covid19 Dashboard made using Python and Streamlit and Pandas, Realtime Updation of data using Pandas.
- Check Status of one or more countries regarding Covid Situation

**Blog Website Using Flask** - Python|Flask|HTML

Mar 20

- This Site was created was created was scratch By Using Flask and its Frontend is created using Html, CSS and JS. All the Login and User handling funcnality is handled using Flask itself, and the database is also handled via using Flask SQLAlchemy.
- Front End: HTML, CSS Backend: Python

**Traffic Sign Teller Android App** - Flutter|Dart|Keras

Feb 20 - Mar 20

- Implemented traffic sign teller web app in android using Dart and flutter. Classification done via Custom made api using Keras and Flask and hosted by Heroku.
- Front End: Flutter Backend: Dart API:Custom Api using Flask and Keras

**Traffic Sign Teller Web App** - Keras|Python|Flask

Dec 19 - Jan 20

- Ever wondered what traffic sign boards is that ? Well Click its picture , and this will web app will tell you just that.Can Detect upto 43 different signs
- Front End: HTML,CSS,JavaScript Backend: Python

### Teachable Classifier - TensorflowJS|Transfer Learning

Nov 19 - Dec 19

- This is teachable rock paper scissors web app, which is using tensorflowjs and mobilenet to classify various actions of hand into rock , paper and scissors.
- Front End: HTML,CSS,JavaScript Backend: TensorflowJS

### Face Emotion Detector - Keras|Python|OpenCV

Oct 19 - Nov 19

- Trained a CNN using Keras and tensorflow that can detect your face Emotion. It can detect upto five different emotions like happy, sad, fear, surprise and angry.
- Technologies used:Python, Keras, OpenCV

### Facial Recognition - OpenCV3|Python|SQLite3

May 19 - Jun 19

- This project is a simple version of today's widely used technology OpenCV3 and Python. You can train the model according to your face and also you can store the information related to a face in the Database.
- Technologies used: Python, DLib, OpenCV, SQLite3

## Education

### B.Tech CSE - DAV Institue of Engineering and Technology

2016 - 2020

- Main coursework: Data Structures, Design and analysis of Algorithms, Artificial Intelligence, Database Systems, Operating Systems, Software Engineering,
- CGPA: 8.54

### 10+2 - B.S.F. Sr. Sec School

2014 - 2016

- Studied various concepts in the field of Sciences and base foundation for Mathematics
- Percentage : 87.4

## Achievements

### HackerEarth Machine Learning challenge - Online Competition

Jan 2020

- In Top 1% in HackerEarth Machine Learning challenge: Calculate the severity of an airplane accident. At 45th position at the closing of leaderboards.
- Total Participants around 9000+

### 5 Start Ranking - Hackerrank

- 5 Star Ranking on Hackerrank in Problem Solving and Python
- 3 star ranking in C++.