

# HUSSAIN SAHERWALA

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A self-motivated, energetic and passionate college student pursuing Bachelor's in Computer Science and looking for opportunities in field of Data Science and Machine Learning.

## EDUCATION

- Pursuing Bachelor in Computer Science and Engineering 2018-Present  
Charusat University  
CGPA: 9.52 – 6<sup>th</sup> Semester
- HSC - 78.92% 2018  
Bright English Medium School
- SSC – 79.5% 2016  
Bright English Medium School

## PROJECTS

- [KisanSathi Crop Production Predictor](#)  
A Flask based Machine Learning web application which helps in predicting crop production using Random Forest Algorithm which was then hosted using Heroku.
- [CapGen](#)  
A Flask based Deep Learning web application which helps you to predict appropriate texts for a given image with help of ResNet with around 65% accuracy.
- [HomeLoan](#)  
HomeLoan Predictor is a Django based Machine Learning Web Application which helps one to recognise that his/her home loan will be accepted or rejected based on certain criteria's such as income, number of dependents, previous loan history and many others using Random Forest classification.
- [Retina.AI](#)  
It is a Flask based Machine Learning Web Application which helps one to detect retinal fundus. A picture of retina would be inserted and it will detect if the retina is infected or not and if it is infected it will predict the type of disease using Vgg19 for image feature extraction and Random Forest classification for prediction with around 89% accuracy.
- Smart Water Irrigation System Using NodeMCU  
An automated water irrigation which helps the user by sensing the moisture level in the soil and turns the motor ON when moisture level is low and vice versa. Also updates the user about it using Twilio Messaging API.
- [StudyPlus](#) – Study from Home  
A Flutter-based app which will help to reduce teacher-student gap during pandemic. Teacher can provide video lectures, assignments and can also conduct quiz by using this app.

### [Other Projects](#)

## SKILLS

- Machine Learning: Regression, Classification and Clustering
- Web Frame Works: Flask, Django
- Data Science Libraries: Pandas, NumPy, Matplotlib, Seaborn
- Web Development: HTML, CSS, JavaScript
- Mobile App Development: Flutter
- Programming Languages: Python, Java, C, C++

## EXPERIENCE

- Completed 1 month summer internship in field of Data Science and Django at Brainy Beam Technologies Pvt Ltd. (May2021 - June2021)

## **CERTIFICATES**

- [Exploratory Data Analysis for Machine Learning](#)
- [Supervised Machine Learning: Regression](#)
- [Supervised Machine Learning: Classification](#)
- [Unsupervised Machine Learning](#)
- [How Google does Machine Learning](#)
- [Machine learning for all](#)
- [Python for Data Science, AI & Development](#)
- [Complete Flutter App Development Bootcamp with Dart](#)
- [Programming for Everybody \(Getting Started with Python\)](#)
- [Python Data Structures](#)

## **PERSONAL INFORMATION**

- Languages Known: English, Gujarati, Hindi
- Date of Birth: 20<sup>th</sup> May 2000
- Hobbies: Cricket, Workout