

# SANKALP JAIN

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Uttar Pradesh



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## PROJECTS

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### AUTOMATIC ESSAY SCORING

<https://github.com/sankalpjain99/Automatic-Essay-Scoring>

Created a web app that can automatically score essays. The grading model was trained using HP Essays Dataset from Kaggle. Used Long Short Term Memory (LSTM) network and machine learning algorithms to train the model. WebApp was created using the Flask framework.

### SIGN LANGUAGE RECOGNITION

<https://github.com/sankalpjain99/Sign-Language-Recognition>

A project to recognize the American sign language. OpenCV and Convolutional Neural Network were used to make our model. We created our own dataset of 19200 images to train the CNN. The training was done on Google Colaboratory.

### FLOWER SPECIES CLASSIFIER

<https://github.com/sankalpjain99/Flower-Species-Classfier>

Trained an image classifier to identify a total of 102 flower species. Data Augmentation was used to bring variety in the dataset. I also made a command-line interface for training and testing our model with various parameters using the ArgumentParser library in Python. Transfer Learning with VGG16 and Densenet121 was used to train our neural network(PyTorch)

### IDENTIFYING CUSTOMER SEGMENTS FOR ARVATO FINANCIAL SOL.

<https://github.com/sankalpjain99/Identifying-Customer-Segments>

Worked on real-time proprietary data for Bertelsmann partners AZ Direct and Arvato Finance Solution to identify customer segments that form the core customer base of the company using unsupervised learning techniques. Data cleaning was an integral part of the project since the data used here was real-world. Techniques like Principal Component Analysis were also used for Dimensionality Reduction.

## CERTIFICATIONS

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Career Edge: Knockdown the Lockdown - TCS iON

Applied Text Mining in Python - University of Michigan

Introduction to Data Science in Python - University of Michigan

Machine Learning - Stanford University

## ONLINE PROFILES

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**GITHUB:** <https://github.com/sankalpjain99>

**LINKEDIN:** <https://www.linkedin.com/in/sankalpjain99/>

**HACKERRANK:** <https://www.hackerrank.com/sankalpjain99>

**CODECHEF:** <https://www.codechef.com/users/sankalp99>

**GEEKSFORGEEKS:** [https://auth.geeksforgeeks.org/user/sankalp\\_jain/practice](https://auth.geeksforgeeks.org/user/sankalp_jain/practice)

## EDUCATION

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### BTECH - 2021

**(INFORMATION TECHNOLOGY)**  
VELLORE INSTITUTE OF  
TECHNOLOGY

CGPA: 9.24

### XII (SENIOR SECONDARY)-2017

DLF PUBLIC SCHOOL (CBSE)

Percentage: 94%

### X (SECONDARY) - 2015

DLF PUBLIC SCHOOL (CBSE)

CGPA: 9.4

## SKILLS

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C++

Data Structures and Algorithm

SQL

Python

Machine Learning

Data Science

Computer Vision

Natural Language Processing

## EXTRA CURRICULAR

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Acted as a volunteer for the design and media team in the year 2018-19 for our annual cultural festival Riviera2019.

Made the official T-shirt design for Riviera19

## AWARDS

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Secured 6<sup>th</sup> place out of 350 students in my stream for the academic year 2018-19