# RUSHABH VASANI

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B.Tech. in IT student, passionate about Software Engineering, Open Source and Applied ML.

## TECHNICAL SKILLS

Backend Development
Computer vision
Natural language processing
Data structures and algorithms
Linux & Shell scripting
Git

## PROGRAMMING LANGUAGES

Python
C
C++

## DS/AI TOOLS

PyTorch
TensorFlow
Pandas
Scikit-learn
CuPy
Fast.AI

## EDUCATION

B.Tech in Information Technology

Charusat University, Gujarat, India.
CGPA: 9.19  [up to 5th semester]

## MOOCS

DeepLearning.AI TensorFlow Developer
Practical Deep Learning for Coders
Computational Linear Algebra

## HOBBIES

Contributing to OSS
Blogging
Poetry

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## EXPERIENCE

**SDE Intern @ Jain And Golechha**                    *Dec 2020 –*
- Building rapidgst.com

**OSS Contributor**
- Contributed to **CuPy**, **Pandas**, **TensorFlow**, **Scikit-learn**, etc. details 🔗

## PROJECTS  *(in order of impact)*

### RAPID GST  🔗
- Automated the process of GST input tax credit reconciliation.
- Users can upload their GST and account statements and the app will generate a fully analyzed reconciliation report.
- *Azure Functions, Pandas, CI/CD, Unit Tests*

### LINUX FACE UNLOCK  🔗                              *Sep 2019 – Oct 2019*
- Developed a face authentication system for Ubuntu Linux that works while logging in, running "sudo" commands, etc. with a user-friendly CLI to operate it.
- Authored a PPA for ease of installation.
- *PAM, Debian Packaging, PPA*

### TWEET SENTIMENT EXTRACTION (KAGGLE)  🔗            *Apr 2020 - June 2020*
- Trained a natural language processing model that can look at the sentiment for a given tweet and figure out what word or phrase best supports the sentiment.
- *Jaccard score: 0.715*
- *Pytorch, roBERTa*

### TWENFLUENCE (TWITTER - CODECHELLA)  🔗             *Nov 2020*
- Cocreated twenfluence.rushabh24.repl.co
- Implemented backend of the web-app to find an expert in any domain/area on Twitter.
- *Twitter Hackathon (team of 5)*
- *Python, Flask, Tweepy (Twitter's API)*

### RECOGNIZING FACES IN THE WILD (KAGGLE)  🔗        *Jun 2019 – Aug 2019*
- Designed a computer vision model that can predict whether two people are in blood relation to each other or not by looking at the picture of their face.
- *AUC ROC Score: 0.905*
- *41st on the leader-board.*
- *Tensorflow, Keras, dual-input CNN*

### GOOGLE RESEARCH FOOTBALL (KAGGLE)  🔗             *Oct 2020 – Nov 2020*
- Built static agents to play 11 vs 11 Football.
- *45th on the leader-board (silver medal).*

### APTOS 2019 BLINDNESS DETECTION (KAGGLE)  🔗       *Jun 2019 – Aug 2019*
- Trained a machine learning model to predict the severity of diabetic retinopathy on a scale of 0 to 4.
- *Quadratic weighted kappa score: 0.883*
- *Pytorch, Fastai*

## VOLUNTEERING

- Open Source **project mentor** at SLoP '20.
- **Blogger** at **Towards Data Science** and **Analytics Vidhya**.
- CodeChef College Chapter President.
- Hosting a local study group of AI and CS.