

# RUSHABH VASANI

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

## PROFESSIONAL SKILLS

Computer Vision  
Data Science  
Natural language processing  
Data structure and Algorithms  
Linux  
Shell Scripting  
Git

## PROGRAMMING LANGUAGES

Python  
C  
C++

## DS/AI TOOLS

PyTorch  
TensorFlow  
Pandas  
Scikit-learn  
CuPy  
Fast.AI

## HOBBIES

Contributing to OSS  
Blogging  
Poetry  
Dancing

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## PROJECTS

### LINUX FACE UNLOCK [🔗](#)

Sep 2019 – Oct 2019

- A face authentication system for Ubuntu Linux that works while logging in, running "sudo" commands, etc. with a user-friendly CLI to operate it. Created a PPA for ease of installation.
- **PAM** (*Pluggable-authentication-module*), **Debian Packaging**, **PPA** (*personal Project Archive*)

### TWEET SENTIMENT EXTRACTION (KAGGLE) [🔗](#)

Apr 2020 - June 2020

- Given tweets and sentiments (positive/negative/neutral), constructing a 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

- Created backend for a web-app to find an expert in any domain/area. This app processes every tweet in that topic/hashtag and finds the most influencing tweets and twitter users.
- *Hackathon (team of 5)*
- *Python, Flask, Tweepy (Twitter API)*

### RECOGNIZING FACES IN THE WILD (KAGGLE) [🔗](#)

Jun 2019 – Aug 2019

- Train a model that can predict whether two people are in blood relation of 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

- Created 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 model to predict the severity of diabetic retinopathy on a scale of 0 to 4.
- *Quadratic weighted kappa score: 0.883*
- *pytorch, fastai*

## EXPERIENCE

- Contribution to **CuPy**, **Pandas**, **TensorFlow**, **Scikit-learn**, **Fastai**, **PyMC3**, etc. [details](#) [🔗](#)
- Open Source **project mentor** at [SLoP '20](#).
- **Blogger** at **Towards Data Science** and **Analytics vidhya's** medium publications.
- CodeChef College Chapter President.
- Hosting a local study group of AI and CS.

## ACADEMIC BACKGROUND

### B.Tech in Information Technology

Charusat University, Gujarat, India.

CGPA: 9.27 [up to 4th semester]

## MOOCs

- [DeepLearning.AI TensorFlow Developer](#), *coursera*
- [Practical Deep Learning for coders](#), *fastai*
- [Computational Linear Algebra](#), *fastai*