

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 –

- Created static agents to play 11 vs 11 Football.

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