RITIK BHAMBID

| Data Science | ML | DL |

Contact

Address
Pune
Contact Number :-9637xxxxxx

Email
rixxxxxxxx@gmail.com

LinkedIn
linkedin.com/in/ritik-bhambid/

Github
github.com/RitikBhambid

Skills

. Python
. Web scraping
. Machine learning
. Deep Learning
. Computer Vision
. Natural Language Processing
. Statistical analysis
. Data Visualization
. Data Wrangling
. Excel

Knowledge

Cloud: AWS,Heroku

BI Tools: Power BI,Tableau

Framework : flask

IDE : pyCharm,VScode,

Google Colaboratory

>>>This resume was generated entirely in Python.

Summary

Data Science enthusiastic with ongoing internship experience, Working experience in computer vision, natural language processing. Hands-on experience leveraging machine learning, deep learning,transfer learning, models to solve challenging business problems

Projects

Thyroid Detection

- The project aims to build a predictive system that will tell whether patients have highchances of thyroid disease or fewer chances of thyroid disease.
- The thyroid is an endocrine gland found in the neck whose function is to produce hormones (FT3 and FT4) whichit releases into the bloodstream.
- The thyroid gland may function more than normal(hyperthyroidism with increased hormones) or less than normal (hypothyroidism with low hormones) in both cases major disorders can occur.
- For this reason treatment of thyroid diseases is very important.

Tech Stack: Streamlit , Random Forest, Scikit-Learn, Docker, GitHub, Heroku, PyCharm ,CircleCi ,mlops using MLflow etc.
Webapp Link : https://thyroiddetection10.herokuapp.com
GitHub Link : https://github.com/RitikBhambid/ThyroidDetection

➻ Other Skills: All phases of the software development life-cycle (requirement gathering, Architechture Design, Process flow, HLD, LLD , Deployment, testing, CI/CD pipeline) , Modular Coding (OOPs).
➻ Possess good interpersonal skills that have been put to good use in co-coordinating with Project teams and providing customized software solutions.
➻ Effective communication skills and proven abilities in resolving complex issues.

Facial recognition system

- The objective is to recognize the human face in a fraction of seconds using any High definition camera
- We use a pre-trained transfer learning approach MTCNN for detecting human faces
- Simply create a dataset, where we will store for each id, a group of photos in gray that was used for face recognition.
- Capture a fresh face on our camera and if this person had his face captured and trained before, our recognizer will make a “prediction” returning its id and an index, shown how confident the recognizer is with this match.
- put a text over the image with the probable id and how much is the “probability”in % that the match is correct (“probability” = 100 — confidence index). If not, an “unknow” label is put on the face.

Tech Stack : Python,MXNET, Keras,Tkinter, OpenCV,MTCNN,Arcface etc.
GitHub Link :https://github.com/RitikBhambid/face-recognition

spelling-corrector

- A word needs to be checked for spelling correctness and corrected if necessary, many a time in the context of the surrounding words.
- A spellchecker points to spelling errors and possibly suggests alternatives.
- An autocorrector usually goes a step further and automatically picks the most likely word.
- In this project Symmetric Delete spelling correction algorithm is used to reduces the complexity of edit candidate generation and dictionary lookup for a given Damerau-Levenshtein distance.

Tech Stack :Python, symspellpy, frequency bigramdictionary, editdistance, editdistance, Damerau-Levenshtein
GitHub Link :https://github.com/RitikBhambid/spelling-corrector

Technical Education

Computer Engineering

2018-2021(82.24%)

Maharashtra polytechnic — Ratnagiri, India

Data Science certification training

October 2021 - May 2022

MARSIAN Technologies (marsiantech.com) — Pune, India