Ayush Ghadiya

Self-motivated and ambitious student currently pursuing my B.Tech in Information Technology at CHARUSAT University seeking to apply a broad foundation in engineering principles while providing engineering support and providing exposure to opportunities in the IT sector, especially in Data Science, Machine Learning, and Deep Learning. Successful completion of some academic projects demonstrating engineering support capability.

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EDUCATION

Bachelors Of Technology
Chandubhai S. Patel Institute Of Science And Technology (CHARUSAT UNIVERSITY)

0/2019 - Present   *Graduating with 9.22 CGPA up to 5th Semester*

Courses
- Information and Technology

Gujarat Higher Secondary Education Board(HSC)
Krishna International School, Rajkot

06/2017 - 03/2019   *Marks 82%*

Courses
- Science(Maths)

PROJECTS

PetFinder.my - Pawpularity Contest (Kaggle) (10/2021 - 01/2022)
- The task of this competition is to predict the popularity of shelter pet photos.
- Technology used: Fastai, Swim Transformer, Pytorch TImm

Sartorius - Cell Instance Segmentation (Kaggle) (10/2021 - 12/2021)
- The task of this competition was to detect a single neuronal cells in microscopy images. To solve this problem i had done semantic segmentation for detection
- Technology used: Fastai + resnet34/efficientnet ,Segmentation Models, Keras Unet collection library, Image segmentation. Accuracy: 94%, IOU Score:70%, Dice score: 74%

My Pulmonologist: An Multi-Diseases Detection using Chest X-rays and CT Scan Images (07/2021 - 12/2021)
- Using Deep Learning And Image Processing Techniques My system will detect whether any patient is having lung cancer, covid-19, Tuberculosis, pneumonia or Normal from chest Xrays & Ct Scan images.
- Technology: Deep Learning, Image Processing, Transfer Learning, Python, Flask, HTML, CSS,JS,Heroku. Accuracy: 91%
- Project URL: http://mypulmonologist.herokuapp.com/

Tourism Place recommendation using Twitter Trends (01/2021 - 04/2021)
- The main purpose of this project is to give recommendations of tourist place in India on basis of Positive tourism tweets.
- Technology: Tweepy API, Python, Data analysis, NLP

Voice Assistant Home automation using Android App (06/2020 - 12/2020)
- This project is about controlling home appliances through voice with our android app. We can control our home appliances from anywhere in this world through Cloud.
- Technology: IOT, Android, Firebase

INTERNSHIP

Data Science Intern
Suven Consultants & Technology Pvt. Ltd.

05/2021 - 06/2021

Achievements/Tasks
- Market Basket Analysis using Association Rule Mining
- Analysis of Metrological Data

SKILLS

Data Science   Machine Learning   Deep Learning
Data Analytics   Problem Solving
Image Processing

SOFTWARES & FRAMEWORKS

Spyder, Jupyter Notebook, Google Colab, VSCode, PowerBI, Firebase, Arduino, Tensorflow & Keras, scikit-learn, Google Cloud, Fastai, AutoMl Tools (H20.ai, Flaml, AutoGluon), Docker & Kubernetes.

ORGANIZATIONS

GDSC (Google Developer Student Club) (08/2021 - Present)
ML Core Team Member

Data Science Club @ Charusat (03/2022 - Present)
Co-Lead

CERTIFICATES & ARCHIVEMENTS

AWS Fundamentals: Going Cloud-Natives
Coursera

Kaggle Notebook Expert (01/2022 - Present)
Kaggle Url: https://www.kaggle.com/ghadiyaayush

HackerRank Skill Certificate(Python Basics)
Coursera

From Data to insights with Google Cloud Specialization
Google Cloud (Coursera)

Complete Machine learning & Data Science with Python | ML A-Z
Udemy

30 Days On Google Cloud
Google Cloud

INTERESTS AND HOBBIES

Data Science & Data Analytics

Machine Learning & Deep Learning

Playing Flute & Singing