

MAYANK AMBALAL JAIN

@ maxjain71@gmail.com

📍 Arlington, Texas

in Mayank Jain

🌐 JainMayank22

👤 JainMayank

ABOUT ME

- I am a graduate student with academic experience in intelligent systems, and a persistent learner, trying to hone my skills to develop the appropriate solutions.

EDUCATIONAL EXPERIENCE

Undergraduate Fellowship

Athens Information Technology

📅 June 2018 – August 2018

📍 Greece

- Gained exposure to the field of computer vision by working with Resnet-34, YOLO v3, Dlib, Keras, TensorFlow, Anaconda, and other needed libraries.
- Acquired knowledge of accuracy and writing some functions from scratch and implemented that on image resize function.

Face Recognition

Object Recognition

Tensorflow

Keras

Dlib

Python

PROJECTS

Car Make-Model Classifier

📅 Feb 2020 – May 2020

- A neural network pipeline of two different models for detail vehicle classification/ identification
- Implemented a neural network pipeline of two different models for vehicle classification, counting, and car model analysis with YOLOv3 and VGG16
- Applied transfer learning on VGG16 and trained YOLO v3 with the classes of the vehicle from scratch on MS COCO.
- Acquired 96% accuracy with 100 epochs.

YOLO v3 and VGG16

Transfer Learning

Tensorflow

Image Processing

Python

Cuisine Classifier

📅 October 2019 – Nov. 2019

- Implemented, "Multinomial Naive Bayes Algorithm" based, cuisine classifier classifies from 20 different cuisine types based on the entered food recipes or ingredients.
- Developed and implemented TF-IDF and Cosine Similarity concepts from scratch. Executed various NLTK methods like stemming, lemmatization, stop-word removal, and tokenizing for data preprocessing.

Multinomial Naive Bayes

NLTK

Django

Pandas

Python

Food Recipe Search

📅 September 2019 – October 2019

- A food recipe search interface based on your current ingredients available with the user.
- Developed and implemented TF-IDF and Cosine Similarity concepts from scratch. Executed various NLTK methods like stemming, lemmatization, stop-word removal, and tokenizing for data preprocessing.

NLTK

TF-IDF and Cosine Similarity

Django

Pandas

Python

EDUCATION

Masters, Computer Science

University Of Texas at Arlington

📅 Aug. 2019 – Present 📍 USA

🎓 GPA: 3.67 / 4.0

Bachelor of Engineering,

Computer Engineering

University Of Mumbai

📅 Aug. 2014-May 2018 📍 India

SKILLS

Languages

- Python, Django.

Frameworks

- PyTorch, Tensorflow, OpenCV, NumPy, Matplotlib, Keras, Panda.

Platform

- Anaconda, Jupyter, Spider, Google Colab, Google Cloud Platform.

COURSEWORK

Data Analysis and Modelling Techniques

Machine Learning

Neural Network

Data Mining

Algorithms

Artificial Intelligence

CERTIFICATION

Computer Vision Basics

Deep Learning Specialization

Machine Learning

INTERPERSONAL SKILLS

- Self-Motivation • Handling Pressure
- Leadership • Detail Oriented
- Problem Solving • Collaboration
- Resilience