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GPA: 3.56, and Graduation in 2019 july.

PROJECTS

Deep Learning

Style Transfer:

Implementation of style transfer on different models like Inception model, VGG. Comparing the difference between implementing the same using different optimization methods and loss functions.

Implementation of YOLO-v2

Aug - Dec 2017

This project was part of my course project, Where I was expected to implement CNN, RCNN, FCNN and YOLO. Understanding their distinguishes.

Tutorials on Tensorflow for beginners

In this series of jupyter notebook I try to share my experience with others on how to write simple to complicated programs in tensorflow. Implementing different models on Tensorflow, and showing many differences between function of same functionality but with different type of execution. Like eager execution, or making complicated input pipeline using tf.data.

Tweet bot analyzer

This simple and fun program was just to play around, and categorizing people's emotion through tweets using bayesian rule.

Computer Vision

Course Implementation
-Counting coins in an image
-Writing code from scratch for all types of filters.
-RANSAC
-SEGMENTATION

Low cost IoT smart control for every device — *Programmer and Designer.*

July 2015 - Feb 2016

Using IR sensors with avr series microcontrollers to control every device in vicinity. RaspberryPi/Desktop acting has control centre with ui made of Html, pHp, and any device connected to internet could access this ui pages to control device.

Autonomous Car Parking Web App

Jan - Feb 2017

Using AngularJS and Firebase, I created an android application which would record user's choice of Parking slot.

SKILLS

NodeJS , Python, C++, MATLAB, ROS, Linux, Real Time Systems, Tensorflow, numpy, linux, Machine learning, Deep learning, Computer Vision.

COURSE

- Machine Learning
- Computer Vision
- Deep Learning
- Robotics
- Analytics and Algo