









Setup a

Heading

Deep Learning workbench for Computer Vision

Speakers

Abhishek Kumar Annamraju Akash Deep Singh

DATE:

May 23rd ,2020 11:00AM-12.30PM

TIME:

For online registration:



or

goole_form_link

https://bit.ly/2WO90M5

For more details

contact: Sinchana S R 9538917997

Create powerful research for the real world with MonkAl

What you'll learn

- What constitutes a Deep Learning Engineer's daily routine
- Setting up your own Deep Learning toolkit and processes
- Understand how to make quick prototypes using MonkAI
- Core features from MonkAI like resume, compare, copy and much more...

Pre-requisites

- Basic Python programming
- Exposure to Deep Learning terminologies

Caution for dreamers:

Building SOTA in a day is impossible. Please keep your expectations to beating the baseline.

Featuring speakers of this meetup are Abhishek Kumar and Akash Deep Singh from Tessellate Imaging, India. Tessellate Imaging helps businesses across the globe set up their Computer Vision and Deep Learning infrastructure.

MonkAl

Monk is a low code Deep Learning tool and a unified wrapper for Computer Vision.

Monk Features

low-code unified wrapper over major deep learning framework - keras, pytorch, gluoncv syntax invariant wrapper

Monk Enables

To create, manage and version control deep learning experiments.

To compare experiments across training metrics.

To quickly find best hyper-parameters.

Monk_Object_Detection

A one-stop repository for low-code easily-installable object detection pipelines.

and

Monk_Gui

A Graphical user Interface for deep learning and computer vision over Monk Libraries

MonkAl Links

MonkAl Website - https://monkai.org/

MonkAl Classification - https://github.com/Tessellate-Imaging/monk_v1

MonkAl GUI - https://github.com/Tessellate-Imaging/Monk_Gui

MonkAl Detection - https://github.com/Tessellate-Imaging/Monk_Object_Detection

About the Speakers

Abhishek Kumar Annamraju



Abhishek's research areas include computer vision, machine learning, natural language processing, and photo grammetry. As a part of his undergraduate thesis and then continued employment at Tata Elxsi R&D, India, he worked on on-road real-time vehicle detection. He has published research papers on cascade classifiers, shape-based object analysis, and traffic sign classifier (IET Intelligent Transport Systems journal). His past projects include image-based monitoring solutions to curb illegal sand mining, 3D facial model generation and classification, deep learning based face recognition, and camera auto-calibration for fisheye images (Tesseract Imaging, India). He was also a part of the Mahindra Rise Challenge 2014 and developed real-time stationary -cam object detection modules. He participated in the Google Summer of Code (GSoC) 2016, working with Open-Detection, to develop GUI-based deep learning training and classification system. His research work includes projects involving forensic sketch to image matching and biomedical image processing. Abhishek got his B.E (Hons.) degree in Electrical and Electronics from BITS Pilani, K.K. Birla Goa Campus

Akash Deep Singh



Akash is a tech wiz, passionate about solving real-world problems with artificial intelligence and machine vision. He's worked on building novel systems to detect & classify glioma cancer and a camera-based real-time stat generation solution for basketball players. He was also part of the team which built India's first panoramic camera where he acted as the Machine Learning Lead. His past projects include autopilot firmware for search and rescue drones, building disguised and imposter face recognition software, an all-terrain navigation vehicle, and sketch to face image matching for forensics. A national cyber Olympiad gold medalist, he loves reading books. Akash earned his B.E. (Hons.) degree in Electronics and Instrumentation from BITS Pilani, K.K. Birla Goa Campus.