Hemanth

MUDUSU HEMANTH
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INTEREST

Exploring the Concepts that nature connects to develop AI.

PROFILE SUMMARY

Passionate Data Scientist professional and data-driven analyst with the ability to apply ML and DL Techniques and Leverage algorithms to solve real world business problems .Highly adept at data analysis and Visualization.Worked on Python, Tensorflow, Keras, Pytorch, OpenCV, MySQL, Data Mining, Flask, Excel. Strong Knowledge and Experience in Machine Learning ,Deep leaning ,computer vision and Statistics.

EDUCATION

RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES (RKVALLEY)
B.TECH IN ELECTRONICS AND COMMUNICATION ENGINEERING
Grad: May 2019 | KADAPA, AP, INDIA.

RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES (RKVALLEY)
PUC IN MPC
Grad: May 2015 | KADAPA, AP, INDIA

Z.P.HIGH SCHOOL
Class 10
Grad. : Apr 2013 | MUCHIVOLU, AP, INDIA

SKILLS

SCRIPTING LANGUAGE

• Python

PROGRAMMING LANGUAGE

C • Basic C++ • Basic Java

LIBRARIES PROFICIENT

•Numpy • Pandas • Matplotlib • OpenCV
• Tensorflow • PyTorch • Keras • Flask
• Matlab • FASTapi • Seaborn •Pytorch

TOOLS

•Git • Linux • Jupyter Notebook
•Visual Studio , Spyder

MOOC UNDERTAKEN

- ML ; Stanford University , Coursera
- Python ; Udacity
- ML Crash Course ; Google

COMMUNITY

- Organizer at astronics and swachbot workshops(Rgukt-Rkvalley)
- Served as NCC cadet in RGUKT

PROFESSIONAL EXPERIENCE :

MulticoreWare | DATA SCIENTIST
JUN 2019 - Till Date

- We Efficiently relied on Convolutional neural network to solve ADAS, Security, Surveillance, Robotics with the help of Computer Vision, and Machine learning state of art technique.We enable everything in Low power Embedded ,and GPU Hardware.Our Development Solutions are in Strict Specification.
- Microscopic image segmentation for medical image analysis. We Used Systematic cancer detection algorithms which developed to enable the automation of detection as per user eye sight.
- Research and Development of various Deep Learning and Machine learning algorithms for business prediction modelling with cutting edge state of art of ML/DL techniques Worked on classification, Clustering, Instance image Segmentation,Computer Vision.

INFERIGENCE QUOTIENT | COMPUTER VISION INTERN
MAY 2018 - AUG 2018

- Working on Cutting edge computer vision Problems using Image Processing Techniques with Python , OpenCV tools. Automated the process of extracting 3D Depth information from Images ,process was named Stereo Imaging.
- Develop Solution Ideas with given object and constraints.And Applied Exploratory analysis on Distinct Images And assist full time research with various problems.

RECENT PROJECTS

VISUAL PERCEPTION |

- Detection and segmentation of image/videos objects using advanced Convolutional Neural Networks to breakthrough in Advance Driver Assistance,Security,Surveillance,Robotics and Manufacturing industries. We Made Optimized Solutions for those problems with low computing power.

MEDICAL IMAGE ANALYSIS |

- Microscope for cancer segmentation is instrumental for the diagnosis and staging of cancer, and thus guides therapy.Deep Learning Algorithm(CNN) to enable on images captured by camera mounted to the digitalize microscope for image analysis. It enabling seamless integration of AI into routine workflows.

IMAGE MATTING |

- Matting of images using auto-encoder architecture as base encoder and refinement of achieved 2k quality using another auto-encoder at end.We Used it for making Foreground Object to experiment .

IDENTIFICATION OF USER DETAILS |

- Using Deep Learning We verify details whichever given by web development team,Whether every phrase is in position or not as per user requirements in User table in database.Mostly rely on LSTM structure.