Rohan Garg

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PROJECTS

DEEPDREAMS

11 September 2020

• Worked on an algorithm known as DeepDreams, which is used to visualize the patterns as perceived by different layer of neural network.
• Developed an implementation of deepdreams algorithm in PyTorch by using pretrained vgg-19 neural network.

PATHOLOGICAL-CLASSIFICATION-MODEL

31 May 2020

• Developed a model using Tensorflow, used to classify different OCT images as DME, CNV, DRUSEN & NORMAL.
• Also identified ROI's(region of interest) in the images which are responsible for classifying the images in one of the four classes.

PAPERS WE READ

26 August 2020

• A GitHub repository, maintained by Vision and Language Group containing summaries of research papers from various popular ML conferences.
• Wrote summary of "Creative Sketch Generation" Paper.

SPHERICO-INTEL

15 Apr 2020

• Worked on a Gyrobot which is basically a sphere with a hemispherical head on top of it capable of moving in any direction and transport small objects in short-range of distance.
• Designed the whole Gyrobot's mechanical design and its interior motion mechanisms.

ACHIEVEMENTS

• HScTss Scholar (2018): Scholarship awarded by Government of Haryana to students having Scientific orientation mind.
• Perfect Score in Mathematics in JEE MAINS 2020

COLLEGE ENGAGEMENTS

VISION AND LANGUAGE GROUP | Core Member

4 May 2020 - Present

A community of Deep learning enthusiasts that conducts regular discussions and workshops with a primary focus on research papers and research on a variety of fields like Computer Vision and Natural Language Processing.

BLOGS | Deep Learning

17 June 2020

I had written a couple of blogs on Medium in the domain of deep learning, in which, one was published on VLG medium space. You can find my blogs here

NATIONAL SPORTS ORGANIZATION (NSO) | Hockey Team

1 January 2020 - Present

I am in the Official Hockey team of IITR under NSO.

MOOC'S AND COURSES

• Machine Learning - Coursera
• Intro to Deep Learning with PyTorch - Udacity
• Deep Learning Specialization - Coursera
• CS231n - Stanford Computer Vision
• CS224n - Natural Language Processing Stanford
• MAN 006 - Probability and Statistics

EDUCATION

IIT ROORKEE

B.Tech in Production & Industrial Engg.
Expected 2024| CGPA : 7.56 (2nd Sem)

RPS PUBLIC SCHOOL, REWARI

Class 12th, CBSE
2020 | Percentage: 94.4%
Class 10th, CBSE
2018 | Percentage: 87.6%

AREAS OF INTEREST

• Deep Learning
• Computer Vision
• Generative Models
• Pure Mathematics

SKILLS

• Python
• C++
• Pytorch (Intermediate)
• Tensorflow (Beginner)