PRAVEEN KUMAR

Machine learning and Deep learning enthusiast

CONTACT

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EDUCATION

HIGH SCHOOL: COMPUTER SCIENCE

2016
68%

Air Force School, ASTE.
Bangalore - 17

UG: COMPUTER SCIENCE

2016-Present
CGPA: 8.1 (Up to 5 Semester)

MVJ College of Engineering, Bangalore - 67

SKILLS

Python, IBM cloud& Watson
R, FourSquare API
C/C++, TensorFlow
Kaggle, H2O
Github, Keras
GoogleCloudPlatform,
Android, WebDevelopment

SOCIAL

Ⓜ medium.com/@pklappy21

in linkedin.com/in/praveen-kumar-inbox

k kaggle.com/praveen1798

○ github.com/pkpk1717

ABOUT

Enthusiast learner, I intent to work, apply, & enhance my skills and keep learning at every step of my career. My knowledge in machine learning comes from self learning for over 8 to 10 months and deep learning from Inkers.inc. I have been working as a intern at EIP 3.0 for 6 months now and also active participant in School Of AI , MLBLR.

CORE QUALIFICATIONS

- **Machine learning Stanford university**
  Machine learning online Stanford coursera specialization by Andrew N G. Cover all the key machine learning algorithms and in-depth understanding of the same. All the algorithms are tasked to be implemented using Octave.

- **Intro to Tensorflow & End to End machine learning with Tensorflow on GCP by Google**
  Thorough introduction to tensorflow and hands on lab sessions on google cloud platform using google datalabs Implementation of machine learning algorithms on tensorflow on google cloud.

- **Big Data and Machine learning on GCP by Google**
  This course provided ML skills enhancement and use of big data platform independent infrastructure. It helped in fetching large volume of data which does not fit into memory and running distributed machine learning on such large data.

- **Data Science Professional Certification by IBM**
  Hands on skills on data science and machine learning. It starts with data science methodologies, and tools in data science, and then SQL and Data analysis with visualization. In the process of completion, we designed a restaurant recommender system as a capstone project using Foursquare API and developed so on geographical data.

- **Practical Deep Learning by Intel**
  Coursera course by Intel to provide practical use cases of deep learning. It provided knowledge of several neural networks viz CNN, & RNN. Also techniques such as Multi note distributed systems and several optimization steps.

EXPERIENCE

INTERN AT EIP 3.0 POWERED BY NASSCOM COE IOT & AI AND NVIDIA

Deep learning and Computer vision intern | Feb 2019 - Jun 2019

- Learned several state of the art deep learning architecture on CNN, RNN, LSTM, GAN's and RL algorithms.
- Hands on Keras with projects on Image Classification, Object detection and Image Captioning.
- Worked on Google Colab and Tensorflow framework as back-end tools.

SCHOOL OF AI

9 months Nano-degree program at School of AI by Inkers technologies | Apr 2019 - Feb 2020

- Learned neural networks such as Residual Networks, AlexNet, LeNet, VGG, CNN, RNN (LSTM and GRU), Inception (v1,v2 & v4),ResNeXt, SENET, Yolo and ENAS.
- Hands on projects in Image Classification, Object detection, Image captioning, Image Segmentation and Instance Segmentation and Real time deployment on above networks using Google Colab and tensorflow.

ACCOMPLISHMENTS

- *Received digital badges as award of honour upon successfully completion of IBM 10 course Data science professional certification specialization | Jan 2019*
- *Presented paper titled "Resizing Tiny ImageNet" at 2nd International Conference on Innovation in Computing, Automation and Intelligent Information Systems (ICAIIS-2019).*
- *Stanford Tiny ImageNet challenge (Present)*
- *Main author of the blog titled "Hitchhiker's-Guide-To-Deep-Learning" on Medium.com*

PROJECTS

- *Restaurant recommender System | Using Foursquare API and Geographical data, built a map clustered collaborative recommender system.*
- *Real Time app (Beta v2, present) | Using estimator API and core Tensorflow lite modules, built image classification, object detection, pose estimation and image segmentation models and deployed all these in single app developed on Native Java, and works in real time.*
- *Amazon product sentiment analysis, Fake news detection, Taxi Trip duration, Forest Cover type classification, and Predicting energy consumption are few among other projects.*