Nisar Ahmed Nanakkal

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Summary

AI evangelist, having 2 years of experience in Deep learning, Computer Vision ,Video Analytics and ML Model Deployment.

Work Experience

Adora Infosolutions
Calicut, India/ Doha, Qatar

DATA SCIENTIST(DEEP LEARNING)
Dec 2018 - Present

- Worked in ML team for developing models to detect the defects of manufactured RF connectors, Splitters and other components
- Trained and deployed object detection model on a dataset with half million labelled defects images-Material Precision System
- Managed to serve multiple models in separate micro services for a smooth inference and more generalized predictions
- Managed annotation team to produce high quality labelled images for training.
- Developed reverse image search tool to find similar images from a large database for a given image.
- Managed to design a feature to show similarity of given image with the products available in market.
- Worked closely with experienced deep learning researchers for error analysis of perimeter zone application, which verifies the identity of the system user and clean desk policy of a BPO company.

Asthra Hesel Innovative Solutions LLP
Kochi, India

TECHNICAL ENGINEER(IOT, EMBEDDED SYSTEMS)
Apr 2016 - June. 2018

- Electrical energy savings using decisions from predictive data analytics
- Developed and Maintained scheduled programs to automate cleaning and bagging for data from sensors.
- Part of founding team and took part in day to day operations of the company
- Developed and maintained micro services deployments and back-end communications
- Developed skills in Excel, Python , MongoDB, Docker, Flask

Education

T.K.M College of Engineering (University of Kerala)
Kollam, Kerala, India

BACHELOR'S DEGREE IN ELECTRONICS AND COMMUNICATION ENGINEERING
Jun 2011 - Jul. 2015

- Secured a CGPA of 7 out of 10

MOOCS

Deep learning specialization by Andrew Ng
deeplearning.ai, Coursera

- This five course specialization provided in depth understanding of ANN,CNN,RNN exploring case studies from healthcare, autonomous driving, natural language processing etc.
- Implemented projects for image recognition, image classification, multi-class classification, object detection using various frameworks like keras,tensorflow and libraries like PIL,openCV based on imagenet dataset

Machine Learning
Stanford University, Coursera

- This course enhanced my knowledge in supervised and unsupervised learning and strengthened many state of the art algorithms in Machine learning
- Implemented mini projects using SVM, PCA,Clustering, KNN etc

Analytics Edge
MIT, Edx

- Dealt with applied understanding of different analytics methods, including linear regression, logistic regression, clustering, and data visualization

CS 231n
Stanford University

- This course offers conceptualised insights on Image classification, linear classifiers, regularization, optimization, gradient descent,back propagation, activation functions, batch normalization, CNN, AlexNet, VGGNet and ResNet

Skills

Programming	Objected oriented Python, C, C++
OS	Linux, Windows, Mac
IDE	Colab, Jupyter
Frameworks	Tensorflow, Keras, Flask
Tools	restAPI(Flask), AWS/GCP
Techniques	Image classification, detection, CNN,RNN, Video Analytics,RNN, SVM, PCA, Naive Bayes
Extras	ML model deployment in production, Restapi, Docker containers
Miscellaneous	Git(version control), MongoDB(DB), pep8, sklearn/numpy/pandas, Trello, Slack, Prezi
Languages	English, Hindi, Malayalam, Tamil