Nisar Ahmed

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Summary

Experienced data scientist adept at collecting, analyzing, interpreting large datasets and developing new forecasting models out of it. Profound knowledge in classification and detection.

Work Experience

Niveosys Technologies Pvt Ltd.   *Calicut, India/ Doha,Qatar*

DATA SCIENTIST   *Dec. 2017 - PRESENT*

- Trained and deployed object detection model on a dataset with half million labelled defects images - multi class multi label classification
- Managed to serve multiple models in separate micro services for a smooth inference and more generalized predictions
- Collected, interpreted and studied the datasets, conducted reports to provide information on the progress in monthly meetings.
- 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.

Asthra Hesel Innovative Solutions LLP   *Kochi, India*

OPERATIONS EXECUTIVE   *Apr 2016 - Dec. 2017*

- IOT data anytics for electrical energy savings
- Led the strategy planning team and took part in day to day operation of the company.
- Designed and conducted surveys for IOT Data analytics for electrical energy savings
- Analyzed and evaluated in detail the performance of data analysts, production, hardware, R&D teams
- Developed skills in Excel, Python , MongoDB

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 many 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, GoogLeNet, and ResNet

Skills

Programming	Objected oriented Python, C, C++
OS	Linux, Windows, Mac
IDE	VS Code, Colab, Jupyter
Frameworks	Tensorflow, Keras, fastai, pytorch, Flask
Tools	restAPI(Flask), AWS/GCP
Techniques	Image classification, detection, CNN,RNN, Video Analytics,RNN, SVM, xgb, 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