Srikant Panda

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Summary

I have hands-on working experience in machine learning and statistics to draw meaningful insights from big data. Current experience includes working with **Python, R, PySpark, Keras, Tensorflow** & **Machine Learning and Deep Learning**

Synopsis

- Total 8.6 years of technical experience in consumer product, health care & trading domain with 4.6 years' experience in Data Analytics & Machine learning.
- Currently working at NASDAQ on experimenting different strategy helping intelligent indicator in order to finding out correct market sentiment & working with data pipelines to orchestrate the movement, transformation, validation, and loading of data, from source to final destination.
- Developed failure prediction model to identify potential failure of X-Ray Tube, churn prediction model, buyer propensity model using state of the art Machine Learning algorithm.
- Sound knowledge of Machine learning, Deep Learning algorithms.
- Good understanding over Distributed framework architecture such as Spark, Storm, Kafka, Flume

Professional Experience

2017 June - Present	Working as a consultant at NASDAQ, Machine Intelligence Lab from Tech Mahindra
2012 April - 2017 May	Worked as a Tech Specialist, Data Analytics at Philips India, Blore
20010 Jan - 2012 April	Worked as a Sr. SW Engineer with Philips India from Integra Micro System, Blore

Academic Background

2018	Work Integrate Learning Program in Software System with Data Analytics Specialization from BITS, Pilani, India
2007	B-Tech in Electronics and Communication Engineering from BPUT, Odisha, India

Skill Set

Data Mining/ Statistical Tool: Python, Keras, Tensor flow, R
Machine learning: Classification, Regression, Clustering, Dimension reduction, Anomaly detection
Statistics: Confusion matrices, Receiver-operator curves, Hypothesis Testing, P-values
Distributed Computing Framework: Spark (PySpark)
Cloud Computing Service: Amazon Web Service(AWS)
Other: Excel, PowerPoint, Word, Omniture(Adobe Analytics Platform/ Site Catalyst)

Certification

- **Coursera certification:** Deep Learning Specl. (Neural Networks and Deep Learning, Improving deep neural networks, Structuring Machine Learning Projects, Convolutional Neural Networks) by deepLearning.ai
- **Coursera certification:** Introduction to Data Science in Python & Applied Machine Learning in Python by University of Michigan
- **Adobe:** Site catalyst Processing Rule Certification

Academic Projects

Project Title: Face Recognition & Verification System (M-Tech)
Project Highlights: Building a face verification/ recognition system that work well in changing environment using and can be trained with fewer data points and benchmark performance with Google Facenet.

Role: Using Siamese architecture and triplet loss function designing deep convolutional network using transfer learning from pretrained model such as VGG16, VGG19, Resnet50, InceptionV3 using Keras and Tensorflow and benchmarking performance with Google Facenet.

Professional Projects

Project Title: Intellicator (NASDAQ)
Project Highlights: Intellicator-"intelligent indicator" uses options market activity to gauge market sentiment by minute & it spits out numbers corresponding whether investors in market segment were bullish/ bearish.
Role: Performing structured experiment to finding best strategies for targets to use, filling missing values, set of factor to use as input features & approach to use. Worked with MIT research student to preparing input feature using PySpark for factors PC-Ratio, Strike, Delta, Moneyness.
Models: Classification algorithms (Logistic Regression, Random Forest, XGBoost), Clustering algorithm (K-Means)

Project Title: Churn prediction (PHILIPS)
Project Highlights: Prediction model to identify attrition probable that help in retention.
Role: Creating a binary model to estimate the probability of a customer churning that maps the churn in Philips connected proposition to features, functionalities, user experience, user behavior and user profile.
Models: Classification algorithms (Logistic Regression, Support Vector Machine, Random Forest, XGBoost).

Project Title: Failure prediction of X-Ray tube (PHILIPS)
Project Highlights: Prediction model to identify device failing upfront for possible corrective actions.
Role: Creating a failure prediction model that maps the different data features from X-Ray operating logs to predicts the failure of the X-Ray tube.
Models: One class SVM, Auto Encoders, Residual based neural net.

Project Title: Purchase prediction (PHILIPS)
Project Highlights: Buyer propensity model to identify customers are most likely to buy.
Role: Creating buyer propensity model that predicts which customers are most likely to buy from the app.
Models: Classification algorithms (Logistic Regression, Support Vector Machine, Random Forest).

Project Title: Sentiment Analysis on Twitter and mobile app (iOS & android) store reviews (PHILIPS)
Project Highlights: Sentiment analysis for various Philips connected (iOT) products on tweets, app store reviews & categorized them using Machine Learning Algorithm, Support Vector Machine (SVM).

Project Title: Connected Digital Proposition (CDP) Analytics (PHILIPS)
Project Highlights: As a data analyst I was responsible for collection, analysis and reporting of all Philips connected products (Internet of Things) for in Personal Health Solutions using Site Catalyst.

Awards / Achievements

Received star performer of the year 2012-13 for Philips Consumer Lifestyle Sector, Bangalore.

Personal Profile

Fathers Name	: Pratap Chandra panda
Date of Birth	: 09-03-1986
PAN, Passport	: AVYPP5388F, G5100616
Permanent Address	: #40, Nehru Nagar-7th lane, GosaninuaGam, Berhampur Ganjam, Odisha, India, Pin-760003
Languages	: English, Hindi, Odia

I hereby declare that all the particulars mentioned above are true to the best of my knowledge.

Bangalore
Date:

Srikant panda