Srikant Panda

Git hub: https://github.com/srikant86panda
E-mail: srikant86.panda@gmail.com
Mob: (+91) 9743062256

Summary

Experienced and dedicated Data Scientist with experience using machine learning and statistics to draw meaningful insights from data. Current experience includes working with various Machine Learning, Deep Learning technique using tools **Python, Keras, Tensorflow, Pytorch, R & PySpark**

Synopsis

- Total 9.8 years of technical experience with 6 years Data analytics building Machine Learning solution for structured and unstructured data (image & text).
- Currently working at Vuclip for creating a recommender system that can generate personalized recommendation using implicit data, content information and solves cold start problem.
- Achieved an 43% increase of CTR & 27% video minutes by building hybrid recommendation on VIU platform.
- Prior experience includes creating fraud detection & hosting machine learning model using GOOGLE AI Platform along with creating churn propensity, failure detection model, sentiment analysis and experimenting different strategy like missing value filling up, metrics, target with different machine learning techniques to classify market sentiment.
- Experience in building face recognition and query classification system using state of the deep learning techniques (CNN and RNN) & failure, fraud, churn model using machine learning classification system.
- Experience of working using cloud infrastructure Amazon Web Service (AWS), Google Cloud Platform (GCP).
- Good understanding over data structure & algorithm.
- Good understanding over Distributed framework tool including Spark, Storm, HDFS, Kafka, Flume.

Professional Experience

2018 June – Present Working as a Principal Engineer- Consumer Intelligence with Vuclip Inc
2017 June – 2018 May Worked 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, Bangalore
20010 Jan - 2012 April Worked as a Sr. SW Engineer with Philips from Integra Micro System, Bangalore

Academic Background

2018   Work Integrate Learning M-Tech 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/ Framework: Python(scikit-learn), Gensim, Keras, Tensor flow, Pytorch, R
Machine learning: Classification, Regression, Clustering, Dimension reduction, Anomaly detection
Deep learning: Standard Neural Network, Convolutional Neural Network, Recurrent Neural Network, Transformer
Statistics: Confusion matrices, ROC, AUC, R2, Variance Inflation Factor
Distributed Computing Framework: Spark (PySpark)
Cloud Computing Service: AWS, GCP
Big data ecosystem tools: Spark, Storm, HDFS, Hive, Kafka, Flume, Airflow
Other: Excel, PowerPoint, Word, Omniture (Adobe Analytics Platform/ Site Catalyst), OpenCV

Certification

- Coursera certification: Deep Learning Specialization & TensorFlow in Practice Specialization by deepLearning.ai. Introduction to Data Science in Python & Applied Machine Learning in Python by University of Michigan
- Adobe: Site catalyst Processing Rule Certification

Project Title & highlights, (M-Tech): Face recognition System, building face recognition system to work well in changing environment using which can be trained with fewer data points and benchmark performance with Google Facenet.
Role: Designing deep convolutional network using transfer learning, siamese architecture and triplet loss function with various network architecture VGG, Resnet50, InceptionV3 in Keras benchmarking performance with Google Facenet.

Project Title & highlights, (M-Tech Academic): Query classification System, building a query classification system and benchmarking performances.
Role: Benchmarking performances by training and using pretrained word embedding, TF-IDF representation with various machine & deep learning model using Keras, XgBoost, Gensim & Python(scikit-learn).

Project Title & highlights, (Vuclip): Viu recommender system, building a recommender system that can generate personalized recommendation with implicit interactions, content information and thus increase user engagement.
Role: Experimenting with various collaborative & content-based algorithm & building a hybrid model that scales to millions of user and thousands of content on VIU media platform using LightFM & Gensim.

Project Title & highlights, (Vuclip): Fraud detection, building a fraud detection system for Toll Fraud Detection using supervised machine learning model to help detect & prevent digital fraud.
Role: Creating fraud detection model that helps finding fraud activity using supervised XgBoost model, google big query for data preprocessing and feature pre-processing.

Project Title & highlights, (NASDAQ): Intellicator, building intelligent indicator for gauging market sentiment by minute & it spits out numbers corresponding whether investors in market segment were bullish/ bearish using market data.
Role: Performing structured experiment to finding best strategies & collaborating with MIT research student to preparing input feature using PySpark for factors PC-Ratio, Strike, Delta, Moneyness.

Project Title & highlights, (PHILIPS): Churn 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.

Project Title & highlights, (PHILIPS): Failure prediction of X-Ray tube, 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.

Project Title & highlights, (PHILIPS): Sentiment Analysis, model to classify Twitter tweets and mobile app (iOS & android) store reviews using Support Vector Machine (SVM).

Project Title & highlights, (PHILIPS): Connected Digital Proposition (CDP) Analytics, Collecting, analyzing and reporting data for all Philips connected products using Site Catalyst and benchmarking business KPIS.

Awards / Achievements

- Achieved higher CTR rate ~17% & ~11% in VV than Google Auto ML personalized recommendation algorithm.
- 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
Languages   : English, Hindi, Odia

I hereby declare that all the particulars mentioned above are true to the best of my knowledge.
Bangalore   Srikant panda
Date: