Prashant Shivaji Bhapkar

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EDUCATION

MS Information Technology and Management (Dean's Excellence Scholarship) – The University of Texas at Dallas, USA   May 2019
BE Computer Science – University of Pune, India   May 2014

CERTIFICATIONS & TECHNICAL SKILLS:

Programming:	Python, SQL, PLSQL, Java, C#, C, C++, R
Tools / Technologies:	Spyder, Jupyter Notebooks, R-Studio, Oracle SQL Developer, Toad, MS Visual Studio, Hadoop ecosystem, Pig, Hive, Spark, Sqoop, Flume, MapReduce, Hadoop Streaming, Microsoft Azure
Frameworks / Libraries:	sci-kit learn (sklearn), Tensorflow, Keras, Numpy, Pandas, Matplotlib, Seaborn, NLTK
Data Analytics:	SAS (Enterprise Miner), Big Data Analytics, Data Mining, Predictive Quantitative Analysis, Forecasting, Business Intelligence, Decision Analytics, ETL, Data Analysis, Machine Learning Algorithms, Multivariate Analysis, Statistics, Statistical Modelling, Data Visualization, SAP HANA, Tableau, Lumira, SAP Business Objects, OLAP, SAP Design Studio, Business Objects, BEX Query Designer and Analyzer, SAP NetWeaver (Data Warehousing), MS Excel, Reporting, Exploratory Data Analysis, Statistical Analysis, Quantitative Analysis, Statistical Learning, Text Analytics
OS:	Windows, Linux
Certifications:	Neural Networks and Deep Learning – Coursera, Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization – Coursera, Structuring Machine Learning Projects – Coursera, Convolutional Neural Networks – Coursera, Sequence Models – Coursera, Deep Learning Specialization – Coursera, Machine Learning A-Z: Hands-On Python & R in Data Science – Udemy

WORK EXPERIENCE

Infosys Ltd., Pune, India   Dec 2014 - July 2017
Sr. Systems Engineer

- Developed PL/SQL programs to interface critical business data into target Oracle EBS system resulting in smooth business transactions
- Analyzed and pre-processed huge data sets before developing critical PL/SQL migration programs resulting in much higher consistency with respect to the target system and an increased efficiency of about 50% in the migration programs
- Reverse-engineered existing complex PL/SQL code to enable output of interactive excel reports enabling better decision making and further analysis of the exported data, ultimately resulting in 60-80% reduction in time effort
- Developed PL/SQL programs to implement business specific customizations to existing Oracle EBS system resulting in enhanced functionality enabling client in carrying out additional specific business operations
- Developed programs for report-generation in excel and PDF formats enabling management in making critical business decisions

ACADEMIC PROJECTS   Aug 2017 - Oct 2017

- Implemented predictive model in SAS Enterprise Miner to predict whether a person earns more or less than USD 50,000 per year
- Performed Sentiment analysis on twitter feeds using SAP HANA

Morphology-Based POS Tagger – Undergrad Project   Dec 2013 - Jun 2014

- Led a team of 4 people in the development of a Natural Language Processing (NLP) system for the Hindi Language
- Worked extensively on large datasets and analyzed them to develop a suitable algorithm that resulted in a tremendous increase in efficiency
- Implemented Parts-Of-Speech tagging along with a rule-based predictive algorithm to predict the "sense" of a word in an ambiguous sentence

DEEP LEARNING | MACHINE LEARNING | DATA SCIENCE   Self-Paced (on-going)

- An active participant in a Kaggle challenge (Jan-16-2018 to April-16-2018) to detect Nucleus in images (Convolutional Neural Network model "U - Net" used)
- Built a Convolutional Neural Network (CNN) in TensorFlow for image classification problem (digit-signs)
- Built a Convolutional Neural Network (CNN) in Keras implementing ResNets (Residual Networks) to study the potential of the same in a classification problem
- Studied and implemented YOLO algorithm – Image Processing - Autonomous Driving - Car Detection
- Developed a Convolutional Neural Network (CNN) for face verification and recognition
- Developed a Convolutional Neural Network (CNN) to implement Neural Style Transfer
- Developed Recurrent Neural Networks (RNN - LSTM) in Keras for NLP (Natural Language Processing) tasks - Neural Machine Translation (NMT) model to translate various Date formats ("25th Jan 17") into a consistent Machine-readable format ("2017-01-25") and emoticons predictor
- Developed a Recurrent Neural Network for music generation - Improvising a Jazz Solo
- Developed a Recurrent Neural Network (RNN - GRU) in Keras for Trigger-Word-Detection problem (ex. "Alexa", "Hey Google", "OK Google")

INVOVEMENT / LEADERSHIP

An active member of Toastmasters International, won coding competition during undergraduate, runner-up at the national level in a music competition, been a part of a rock band having experience in playing live in front of a huge crowd