Satyajit Lele
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Summary

An analytics professional who loves solving real world problems with the power of mathematics and machine learning!

Education

W. P. Carey School of Business at Arizona State University, **Master of Science, Business Analytics** **3.98 GPA | May 2017**

University of Pune, India, **Bachelor of Engineering, Computer Science** **3.6 GPA | June 2013**

Skills

Business Skills: Project management and planning, Predictive and Descriptive Analytics, Data Visualization, Requirement Elicitation

Technology Skills: Python, SQL, MongoDB, Tableau, C#, PySpark, Hive, MapReduce, Entity Framework, Angular 2, SAS, R, Advanced Excel

Working Knowledge: Spark, Cassandra, React, Pig, AWS

Professional Experience

E3Retail Llc, Machine Learning Engineer, Raleigh, NC, USA **July 2017-Present**

- Developed an end-to-end recurrent neural network (RNN) based machine learning process, for a major consumer goods company, with LSTM to extract and pre-process data from the data source and predict individual product sales for the next n days
- Experience with libraries like TensorFlow, Keras, NumPy, Pandas, Scikit-Learn, Xgboost, LightGBM and have completed a course on PySpark
- Developed a custom ETL process to load retailer operator variance and item sales data which would serve as foundation for analytics and machine learning
- Exploratory Data Analysis required for all projects is done in Tableau
- Designed and developed a full stack application, for the biggest electronics retailer in the world, which enabled the ability to view summarized and drilled down data on any device
- Developed a computer vision application using Mask-RCNN to perform inventory management. This involves identifying multiple objects in an image or a video stream
- Did a complete data migration from SQL Server to IBM DB2 because the native system of the client was entirely in DB2

Ports America, Data Analyst, Tempe, AZ, USA **January 2017-May 2017**

- Implemented ARIMA time-series forecast to predict the count of empties containers expected to arrive in forthcoming weeks, thus enabling senior management to quantify the opportunity cost as excess empty container volume was responsible for around 70% of operational waste
- Introduced smart features in the model with real world data like price of oil which co-related superbly with the number of empty containers on the terminal yard
- Pre-processed ~175K records in R and SQL and created visually impactful dashboards in Tableau to transform raw data into actionable information
- Conducted quantitative research to identify leading causes of inefficient handling of empty containers on terminal yard

Frost & Sullivan, Business Analyst, Pune, India **January 2014-April 2016**

- Mastered quantitative and qualitative market research in various industry segments. Primary market data was gathered through interviews with C level delegates which enabled immense knowledge sharing regarding business and operations
- Analyzed numerical data to formulate exhaustive market reports used to benchmark companies
- Represented and marketed the company in various events around the globe

Mu Sigma Inc, Trainee Decision Scientist, Bangalore, India **June 2013-December 2014**

- Collaborated with the biggest pharmaceutical company in Japan to design a dashboard software to predict the quantity of medicine to be manufactured to attain maximum profit. Company increased its profits by 16% for this drug. Some of the techniques used were regression (linear and logistic) and similarity matching
- Focused extensively on Excel VBA and SQL and learned in detail about the complicated Healthcare market and reforms in the USA to advise the leadership on pressing issues of inventory management

Tata Research Development and Design Center (TRDDC), Project Intern, Pune, India **June 2012-June 2013**

- Led a 4-member team to create a product prototype which wirelessly mapped a human arm on a screen by capturing data from two sensors mounted on the arm. The basic aim was to create a complete home trainer system using complex event processing which would eliminate the need of gym trainers
- Budgeted efficiently, spending only $132 on all the hardware which made the project extremely economical as the average cost for research projects is around $2000. Efforts gave way to success when team won the 'Best Project Award' in the university