

## DATA SCIENTIST INTERN

### Professional Experience

#### Data Scientist Intern

January 2015 to Current Ascend Learning i¼ Portland , OR

- HGST offers customized industry-leading solutions in the enterprise HDD and SSD markets)
- Developed supervised machine learning model to predict hard drive reliability in Python using scikit-learn library
- As a part of ETL process, scripted a Parser using Python which mined unstructured text data and stored this data in a table format
- Aggregated HGST manufacturing data hosted on Hadoop database using Hive
- Assisted in developing SQL database mining procedures for various department heads

#### Lytcraft - Procurement Analytics Head

January 2012 to January 2014 Bickford Senior Living i¼ Peoria , IL

- India (Supply Chain Analytics Startup aligned to offer procurement solutions to global clientele)
- Co-founded Lytkraft and devised a strategic roadmap to shape the future of Lytkraft
- Conceptualized the basics of Data-Science by securing "Making Sense of Data" certification from Google
- Completed "The Data Scientist Toolbox" certification using R and GitHub to incorporate data driven decisions at Lytkraft
- Directed the marketing team to secure 2 international clients within 4 months of start-up

January 2011 to January 2012 Great Lakes Credit Union i¼ Woodstock , IL

- Bangalore, India (KPO offering supply chain analytics solutions to Fortune 500 companies)
- Formulated unsupervised learning models using R and cataloged supplier - distribution clusters to analyze geographic spread of trustworthy vendors
- Dash boarded the supplier relationships for Brickwork's global clientele using Tableau
- Created and presented informational reports for management based on SQL data
- Sourced products to map client needs and saved over \$3 million in procurement cost

#### Programmer Analyst

January 2010 to January 2011 Cognizant Technology Solutions (CTSH) i¼ City , STATE

- Bangalore, India (Global IT service provider with a revenue of USD 8.84 Billion)
- Evaluated sales activities, campaign dynamics and engineered models with SPSS to oversee marketing strategies for internal clients of CTSH
- Determined the linear relationship between customer complaints and subsequent resolutions to reduce the customer churn by 5%
- Developed SQL scripts to mine data from the SQL database for significant presentations
- Secured an appreciation certificate for exemplary academic performance in CTSH ADDITIONAL
- Placed first in the National Level Technical Symposium (Overhauled-09) held at NMAMIT
- Won first place in Business Plan contest held at Dayanand Sagar College of Engineering
- Volunteer- Indian Red Cross Society - Received appreciation from T.N Chaturvedi (Governor of Karnataka - 2007)
- Practically enhanced machine learning capabilities by participating in Kaggle competitions

### Education

Master of Science : Analytics, Statistics, Marketing University of Colorado Boulder i¼ City , State , US University of Colorado Boulder May, 2015 Master of Science in Analytics Boulder, CO Skills - Working knowledge of machine learning, time series forecasting (GARCH, moving average), data mining algorithms, text mining and unstructured data (JSON). Expertise in Regressions, CART, neural networks, KNN, random forest, conditional probability models, association rules, generalized boosted models, support vector machines, bagging, gradient boosting, ARIMA, Holt-Winters, clustering techniques (hierarchical clustering, k-means, density based clustering), deep learning, ggplot2, dplyr, reshape2, Shiny, AB Testing, Lasso regression, ridge regression, Latent Dirichlet allocation, Bayesian inference, normalization, ETL, PCA, ensemble models Tools - R, Python (pandas, numpy, scikit-learn, matplotlib, scipy), SQL, SPSS, Weka, NoSQL, Data warehousing, Oracle, Teradata, Apache Hadoop, HDFS, HIVE, Tableau, iPython notebooks Courses - Data Mining, Data Analytics, Data Systems, Advance Statistics, Marketing Intelligence, Machine Learning, Digital Marketing, Customer Analytics. Projects - Clinical Data (What plays a statistically significant role in the contraction of MRSA cases?) | Used machine learning techniques to build models in predicting airfare pricing | End to end design and implementation of ETL process and design of movie rating data warehouse

Bachelor of Engineering : Industrial Engineering & Management Visvesvaraya Technological University - JSS Academy of Technical Education i¼ City , State , IN Visvesvaraya Technological University - JSS Academy of Technical Education April, 2010 Bachelor of Engineering in Industrial Engineering & Management Bangalore, India

#### Affiliations

Volunteer- Indian Red Cross Society - Received appreciation from T.N Chaturvedi (Governor of Karnataka - )

#### Presentations

Developed SQL scripts to mine data from the SQL database for significant presentations

#### Skills

Solutions, Marketing, Clients, Procurement, Supply Chain, Sql, Machine Learning, Database, Spss, Million, Business Plan, Dynamics, Microsoft Dynamics, Red Cross, Sales, Sales Activities, Etl, Extract, Transform, And Load, Hadoop, Hive, Python, Solid State Drive, Ssd, Algorithms, Apache, Apache Hadoop Hdfs, Association Rules, Bayesian, Boosting, Cases, Clustering, Data Analytics, Data Mining, Data Warehouse, Data Warehousing, Deep Learning, Digital Campaign, Digital Marketing, Forecasting, Hadoop Distributed File System, Hdfs, Hierarchical Clustering,

Json, K-means, Latent Dirichlet Allocation, Neural, Neural Networks, Nosql, Oracle, Pca, Pricing, Principal Component Analysis, Random Forest, Statistics, Support Vector Machines, Teradata, Testing, Unstructured Data, Industrial Engineering