Avanthika Sankararaman

Relocating to Seattle

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Summary of Qualifications

- Data scientist with MS in MIS (Data Analytics) and 7+ years of technical experience ranging from software development to data science
- Adept in descriptive, predictive analytics and using visualizations via BI tools to help organizations take Data driven decisions
- Proven experience in identifying analytical project use cases, device strategies and implementation of projects end to end
- Worked on EDA, PCA, Hypothesis testing, Correlation analysis, Classification, Association, Text mining (NLP), Clustering etc.

Key Technical Skills

Prg. Lang/DB/BigData	C, C#, SQL, Oracle,Hadoop via MapR, HDFS, Hive, SSRS
Data Analysis/ OLAP	Excel, Tableau, Power BI, Python, R, Agile methodologies, Outlier detection
Libraries	Numpy, Pandas, Matplotlib, Sklearn, Seaborn, Tidytext, StandardScaler,ggplot2,TDM,IDM,Wordcloud
Experienced Models	Logistic/ Linear regression, Neural Net, Decision Tree, Naïve Bayes, KNN, Random forests, Arima,Kmeans
Certifications	**OSU & SAS** Data mining certificate, Microsoft® Certified .NET Framework 4 Technology specialist, Microsoft® Certified SQL Server 2008, SAS® Certified Base Programmer for SAS 9, SAS® Certified Predictive Modeler using SAS® Enterprise Miner 7.1, **CAP** by **INFORMS** to be completed in 2018

Professional Experience

Dell EMC – Services Organization

Data Scientist / Business intelligence Engineer   January 2018 - Current

- Reduced critical part dispatches by 15% by creating a data strategy with Power BI enabling early quality defects detection
- Text mined large scale customer call log data to isolate top 1% concerns and proactive resolution resulting in reduction in Cost of Services
- Established positive correlation between active units in field and mean dispatch rate using Heatmaps and correlation plots in Python
- Created several executive summaries for management with deep dive data analysis using SQL & Excel aiding critical business decisions

Transunion LLC

Application Analyst- Developer   March 2015 – December- 2017

- Increased BU revenue by $2.5M by leading SQL SP automation efforts resulting in filling data gaps created due to process inefficiency
- Increased revenue by 2% YoY by adding new provider relationships and maintaining existing provider connections in C#/ SQL codebase
- Award for going above and beyond the scope of role for new hospital competition initiatives by performing ad-hoc data mining
- Part of data munging team responsible for migrating SQL data into Hadoop database for better analytics performance on healthcare data

SST Software

Database Developer   March 2013 - February 2015

- Increased profitability (run time reduction by 74%) by improvising existing ETL code for a working model
- Created ETL procedures for various data load and manipulation needs on a large (1M+ rows) database
- Individually executed successful code conversion (VB to C#) of an internal administrative website in a record time of 45 days

Infosys Technologies

Systems Analyst   January 2010 – July 2012

- Awarded '**Tech explorer**' for business acumen in project risk management, identifying possible glitches in project and suggesting proactive steps to overcome them
- Integrated customer experience management tool (**TEALEAF**- IBM`s customer experience AI product) to client's eCommerce website in order to help them capture unfinished transactions and make websites enhancements to increase conversions

Education

Master of Science in Management Information Systems (Specialization: **Data Analytics)**	December 2013
Oklahoma State University (received 75% scholarship via Graduate assistantship for Business Intelligence course)	**GPA: 3.43**
Bachelor of Technology in Information Communication Technology	May 2010
SASTRA University, India	**GPA: 4.0**

Active Kaggler & Hackathon participation

Worked on **EDA**, data normalization using **Standardscaler** for model tuning, Use **PCA** for dimensional reduction, Model using **regression**, **classification**, **clustering** etc., compare models using **R^2 ,RMSE**, Performed Time series analysis, text mining using **Naïve Bayes.** Key projects include Titanic Survivors, House Price prediction, Predict cuisine based on Ingredient list etc.

Hackathon conducted by Expero Inc. in partnership with Women in Data Science   July 2018
Created a ML model to predict the success of an outdoor event based on weather data pulled from Wunderground. Perform timeseries forecasting on weather data to predict and feed key metrics into a Logit regression model to predict success of an outdoor event.

Leadership Activities

GenNext (Dell Employee Resource Group of 2000+ members) Professional development team member helped host several events
Regional lead for **TotalYou** group - hosted Transunion Austin team participation in Stateman Cap 10K