Surendar Rajavijayan (Sura) Sundar

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OBJECTIVE: I would like to identify and resolve information gaps for meeting business goals by building analytical models

BUSINESS EXPERIENCE

Cognizant, Chennai, India

Programmer Analyst (Performance Tester), Team Member   August 2013 – July 2015

- Managed a portfolio of three concurrent QA projects in a fast-paced environment with minimal supervision and was awarded Toyota's **"Time Keeper"** award for its successful completion
- Defined KPIs and test scenario's to test the necessary business requirements for two major release cycles by coordinating with SME's (subject matter expert) and documented business test plan, schedule, SLA's & SOP for the same
- Expedited data pre-processing using JAVA and the resulting automation reduced 20% of test run time
- Evaluated and reported statistical analysis of performance risk in 5+ websites using pivot tables, macros(Visual Basic programming)and presented a summary of actionable recommendations, resulting in an overall 10% improvement
- Orchestrated training and guided three projects to deploy IBM RPT that saved $100k worth of IT expenses annually
- Analyzed historical data to identify (& subsequent debugging) the cause for poor performing websites and designed A/B testing to investigate the hypothesis in large-scale enterprise environment and was awarded "**The perfectionist**" for it
- Engineered library management system using SQL in Oracle 9i

RELEVANT PROJECTS

Advanced Business Intelligence, SAS Enterprise Miner, Base SAS – UT Dallas   August 2015 – December 2016

- Explored user data from Expedia to build prediction models with low misclassification rate and strengthened the identified model using ensemble (bagging and boosting) to improve the prediction of target metric
- Studied flight data from Bureau of Transportation Statistics using clustering, SVM, and neural networks to improve the efficiency of flights (avoid getting delayed) based on empirical data
- Investigated the data from Amazon & BN using Neural Network, Decision Tree, Clustering, market basket analysis and Logistic Regression models to forecast factors which influence customer purchase decision (preferring one over another)

Yelp Dataset 2015, SAP HANA, SAP Predictive Analysis, Python (Numpy& Panda) **–** UT Dallas   January 2016 – May 2016

- Refined Yelp dataset using Python & Tableau to transform 2.2M rows of raw data into actionable business insights
- Explored the dataset using SAP HANA, Tableau, and SAP Predictive analysis to determine data relationships between the effect of location on its social perception and also to substantiate the existence of trendsetter among users

Starbucks – UT Dallas   Jan 2016 – May 2016

- Analyzed three years of financial statement from Starbucks to determine overall profitability and its components

European Soccer database, R, Excel, Tableau – UT Dallas   August 2016 - October 2016

- Examined last decade's match and player data from soccer matches across Europe and pre-processed them using R to systematize them and charted worst performing table topper over seasons
- Earned **"Best project"** of the term award for forecasted recruitment strategy for identified teams using Tableau's dashboards and reported our findings through effective data visualization

The Vegas Project, Python(Numpy& Panda), Excel, Tableau – UT Dallas   October 2016 – December 2016

- Created a cross-database join of Yelp dataset(converted from JSON into CSV using python) with Tableau to build interactive dashboards using guided analysis, what-if analysis and studied the effect of location on restaurant's rating
- Measured the effects of attributes (Wi-Fi – Free, paid or none, buffet, etc.) on restaurant's rating using Heatmaps, Box and Whisker plots, cross tab, etc. in Tableau and conveyed the story inside the data to potential ventures

From U2U– UT Dallas   January 2017 – May 2017

- Created a subscription based gift service and designed finance statement(customer acquisition, churn, and renewals)

Fissure simulation, Agile, MS Project– UT Dallas   March 2017 – May 2017

- Groomed project backlog by prioritizing user stories and assigned resources for its completion using Agile approach

EDUCATION

M.S., Information Technology Management*, The University of Texas at Dallas*		3.48/4	May 2017
B.Tech., Information Technology, *Anna University, Chennai, India*		7.12/10	Apr 2013

SKILLS

Analysis Tools:	MS Excel, SAP HANA, Tableau, SAS Enterprise Miner, SAP Predictive Analysis, QlikView
Certifications:	IBM Performance Tester V8, SAS Data Mining & BI, Google Analytics
Languages:	C, C++, Java, SQL, R, Python, VBA, SPSS, SASS
Others:	MS Project, MS Visual Studio, IBM Rational Performance Tester, HP Load Runner, Apache JMeter, Agile, MS Visio, RDBMS, AWS, Google Analytics
Machine learning techniques:	Naïve Bayes, K- means Clustering, Linear & Logistic regression, neural networks

LEADERSHIP EXPERIENCE & ORGANIZATIONS

Centre for Training and Placement, Anna University - *Placement Coordinator*	August 2011 – December 2012
Parking and Transportation – Veteran, *Parking Enforcement Officer*	August 2016 – May 2017