ANVITHA KATRAGADDA

1255 East University Drive, #138
Tempe, AZ 85281

(480)738-3662
anvitha.katragadda@asu.edu

SUMMARY

Data Analytics professional, highly motivated individual with leadership skills and experience in healthcare, aerospace industries coupled with proficiency in Business Strategy Modeling.

EDUCATION

Master of Science in Business Analytics   May 2015

Arizona State University, Tempe, AZ   GPA-3.80/4.0

Bachelor of Technology in Biotechnology   Apr 2013

National Institute of Technology (NIT), Warangal, India   GPA-8.37/10

PROFESSIONAL SKILLS

- Data Modeling Techniques - *Predictive Modeling*
- Data Mining – Decision trees, Naïve Bayes, Neural networks, SVMs, Time series analysis
- Regression Analysis – Logistic Regression
- Data warehousing

- Data Visualization - *Tableau, IBM Cognos*
- Database Management - *MySQL*
- Statistical programming – *SAS, R*
- Programming – *Java (basic), JSPs, HTML5,CSS*
- Business Intelligence tools - *IBM SPSS, Minitab*

PROFESSIONAL EXPERIENCE

Honeywell Aerospace   **Phoenix, AZ**
Data Scientist Intern   *Feb 2015 – Apr 2015*

- Analyzed the onboard flight data to understand different customers usage behaviors of Auxiliary Power Units (APU) based on levers including macro factors, airport infrastructure, regulation policies, etc. using SAS and created data visualization reports using Tableau.
- Developed a value model that describes the relationship between the APU engine and contract attributes that define and quantify the degree to which the APU provides value for the customers.

UnitedHealth Group   **Hyderabad, India**
Associate Application Developer   *Jun 2013 – Dec 2013*

- Collaborated with a team to develop User Interface of a health intelligence platform which predicts population's health status and generates personalized health plans.
- Developed applications to interface with the databases of the project using SQL, wrote, tested and delivered them under stringent deadlines.
- Developed dashboards and modified the preexisting ones using Java, JSPs, HTML5, CSS, and JavaScript with an increase in the quality of deliverable by 15%.
- Engaged in collaboration with the team from product release 6.0 to product release 7.0.

PROJECT EXPERIENCE

Arizona State University   **Tempe, AZ**
ACT – Supply and Demand Optimization   *Jan 2015- Feb 2015*

- Developed and Simulated Artemisinin Supply Chain Model using @Risk (Palisade Decision Suite) to help gain insights into the potential payoffs from the alternatives.
- Estimated parameters and functions for two different models of price dependent demand.

Arizona State University   **Tempe, AZ**
Business Development and Price Optimization for a Small scale Business   *Dec 2014-Jan 2015*

- Developed an analytical model for estimating demand curves based on the types of products available in the store and optimized the pricing of the products.
- Worked closely with the management to determine the pricing effects on the sales of products using SAS for regression analysis.
- As a result, business saw a 10% increase in the profits and also saved 4% in procurement costs by reducing the orders with less demand.

Department of Biotechnology, NIT   **Warangal, India**
Trends in Pathology of Alzheimer's disease   *Dec 2012- Mar 2013*

- Performed a study on the interactions of Acetylcholinesterase with its inhibitors which are crucial in pathology of Alzheimer's disease using multiple protein modeling techniques.
- Used regression analysis and energy minimization techniques, successfully predicted the inhibitor with greatest affinity with an improvement in the interactions by 4%.

ACADEMIC AND EXTRA CURRICULAR ACTIVITIES

- *Training and Placement Coordinator*, NIT Warangal, India, 2012-2013.
- *Joint Secretary*, Literary and Debating Club, NIT Warangal, India 2011-2012.
- *Executive*, Literary and Debating Club, NIT Warangal, India, 2010-2011.