AASHISH MANDYAANILKUMAR

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DATA SCIENTIST, *M.S Data Science*

Proactive problem solver with excellent communication abilities and Master's degree in Data Science. Seeking the position of Data Scientist to apply in-depth understanding of advanced statistical and predictive modeling concepts Bringing 3 years data science work experience with solid programming skills.

TECHNICAL SKILLS

Languages: R, Python, SAS, Oracle SQL, MS SQL Server, MySQL
Tools: Advanced Excel (V-Lookup, pivot tables, macros), Tableau, PowerBI, Google Analytics**,** AWS S3, AWS Redshift
Packages: dplyr, ggplot2, caret, tidyverse, reshape, R Shiny, Pandas, NumPy, matplotlib, seaborn, sklearn
Statistical Skills: Hypothesis testing, t-test, f-test, ANOVA, A/B testing, Linear Regression, Logistic Regression, Clustering, Forecasting (ARIMA), SVM, PCA, CART, KNN classifier, Naïve bayes, Random forest, Decision trees

PROFESSIONAL EXPERIENCE

American Home Shield (Frontdoor),Memphis   **June 2019 - Present**
Data Science Intern (Marketing, pricing & strategy)

- Designed & developed predictive models & learning algorithms to calculate customer retention for **2M** users
- Formulated new forecasting models for claims & severity to calculate *Customer life-time value* which helped the business to segment customers in to **high, medium and low priority**
- Achieved **8% increase** in conversion rate by creating customer profiles using various classification techniques which helped the marketing team for effective targeting of ads
- Created **Visualisation dashboards** to effectively track KPI's for the purpose of supporting operations & maintenance departments which was used by company leadership

Technologies & Skills: R, Python, SQL, Power BI, Logistic regression, ARIMA, Poisson regression, Survival analysis

Lymbyc Solutions, Bangalore   **January 2017 - July 2018**
Business Data Analyst

- Programmed an interactive route optimization tool using multiple traveling salesmen algorithms on RStudio & earned **Lymbyc Spark Award**
- Analyzed & identified process time deviations leading to improved SLA of the supply chain by over **25%**
- Built & automated Excel dashboards to analyze quarterly sales & revenue generation opportunities
- Defined crucial metrics & assessed Mobile App traffic across various states for national e-learning platform

Technologies & Skills: R, Python, Data Mining, Data Wrangling, Statistical Analysis, Machine learning, Clustering

Shadowfax Technologies, Bangalore   **September 2016 - December 2016**
Data Analyst (Supply chain & strategy)

- Extracted, integrated and analyzed real time data using MySQL, made quantitative analysis using this data
- Collaborated with supply team to devise an incentive plan for drivers hence reducing driver cancellations by 15%

EDUCATION

The University of Texas at Dallas	**Dallas, TX**	**Fall 2018 - May 2020**
- Master of Science, Data Science		GPA: 3.7
BMS College of Engineering	**Bangalore, India**	**Fall 2012 - May 2016**
- Bachelor of Engineering, Industrial Engineering and Management		GPA: 3.5

ACADEMIC PROJECTS

KPI Dashboard Creation Using RShiny App   **September 2018 - Present**

- Defined crucial metrics & designed multiple RShiny Apps for Interactive visualizations: **Movies, Accidents, Books**

Prediction of House Sales prices   **January 2019- Present**

- Predict house prices for home buyers and sellers using advanced regression techniques: **Python notebook**

Skills: SVR(linear & kernels), Lasso, Ridge, Bagging, Boosting, Pasting, Deep Learning, Neural Net, Data Structures

Data warehousing using AWS   **August 2019 - December 2019**

- Created MySQL DB instance using Amazon RDS, Deployed a data warehouse using Amazon redshift

Skills: Amazon RDS, Amazon S3, Amazon Redshift, Amazon EC2, Amazon Kinesis, MySQL, Big data

Prediction of Customer Rating for E-commerce retail   **September 2018 - December 2018**

- Predict customer rating to understand factors affecting order fulfillment for an E-commerce organization: **Kaggle**