

## AKANSHA TOPPO

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### EDUCATION

#### The University of Utah, David Eccles School of Business

Salt Lake City, UT

*Master of Science in Information Systems*

*Aug 2018*

- Coursework: Six Sigma, Marketing Analytics, Data Mining using R, Statistics and Predictive Analytics, TensorFlow for deep learning with Python, Data Science, Cloud Computing(AWS/EC2), Algorithm and Data Structures
- **Lean Six Sigma Green Belt Certified**
- Participated in Adobe analytics challenge to perform data analysis in the data set of MGM resorts to suggest revenue changes in properties using the adobe analytics tool.

#### St. Vincent Pallotti School of Engineering and Technology

Maharashtra, India

*Bachelor of Engineering in Information Technology*

*Aug 2009-May 2013*

### TECHNICAL SKILLS

**Programing Language:** Python, R, PL/SQL, Java, PeopleSoft, HTML

**Database:** MySQL, Oracle 12c, Oracle 11g, Relational Algebra

**Data Visualization:** Tableau, Excel, R - ggplot, Python -Matplotlib/Seaborn, Kibana

**Data Analytics Tools:** Apache Spark, R Studio, MS Excel, Adobe Analytics

**ETL Tools:** SAS Data Management

**Tools, Technologies:** Grafana, Elasticsearch, JSON, Jira, Zendesk, Confluence, Application Engine, SoapUI, Git

**Others:** Six Sigma, Project Management, SDLC

### EXPERIENCE

#### Shape Security

Salt Lake City, Utah

*Analyst Intern*

*March 2018- Present*

- Create and modify dashboards to analyze traffic and create rules to block automated traffic using python
- Working on Jira and Zendesk for handling tickets and confluence for collaboration
- Working on creating reports using Python, SQL, and CentralParq to fetch data for enterprises

#### Tech Mahindra Pvt Ltd.

Pune, India

*Data Engineer*

*August 2013– June 2017*

- Created a vendor payment module working on PeopleSoft API integrating .Net and Finance platform using Component Interface and created Web services for data acquisition from those platforms
- Worked on complex relational database, SQL reports, procedures for report generation for 80k+ employees
- Involved in version upgrade for PS 9.0 to PS 9.2 and data migration from Oracle 11g to Oracle 12C database in collaboration with stakeholders and resource management group
- Gathered requirements, prepared business documents, improved existing ETL jobs, analyzed KPIs and developed customization modules with cross functional teams within specified deadlines

### ACADEMICS PROJECTS

- **Google App Store-Exploratory Data Analysis:** Scraped data from google app store using Selenium, Scrapy and Beautiful soup libraries. Used bubble ETL framework to load data into SQL. Performed data visualization created plots and histogram to describe the correlation between the data and performed data analysis running KNN and SVM model achieving 94% accuracy and 93% respectively.
- **Green Belt Certification Project:** Worked on the Titanic dataset from Kaggle to analyze the causes for the Titanic to sink. Demonstrated 5why's, Fish Bone Diagram, Gantt Chart, Kanban, plotted line/scatter chart and performed linear regression on SAS Studio for analysis.
- **Predicting marketing strategies using ANOVA analysis and Linear Regression:** Designed and conducted an experiment on an online store based on price presentation using ANOVA analysis and performed A/B testing to find the interaction between different group means and visualized the interaction using interaction means plot.
- **Housing Price Prediction (Kaggle Competition):** Worked on House prices Kaggle dataset to fit a parsimonious model predicting sale price. Used MissForest for imputation, StepAIC for predictors selection. Compared models (LM, K-NN, GLMNET) obtaining best R-squared (.8719) and RMSE (.1504) on GLMNET. Kaggle score 0.13575/Rank 1822.
- **Capstone Project:** Developing an application using Shiny and R to estimate rent and occupancy rates on US Multifamily properties including includes a map interface that allows the user to search for a specific property.
- **Text Mining Project:** Gathered data from Twitter using Twitter API and performed sentiment analysis using AYLIEN Text API and visualized results using pandas and matplotlib.