

**EDUCATION****Master of Science** Data Science and Analytics, Georgia State University

Aug 2021- December 2022

**Bachelor of Technology** Mechanical Engineering, GITAM University Visakhapatnam

July 2012 - May 2016

**PROFESSIONAL EXPERIENCE****Graduate Research Assistant**, AVG Group, Atlanta, GA

Jan 2022 – Present

- Analyzed data to reduce hold time & inventory costs of aircraft components in warehouse by a minimum of 25%
- Extracted, processed, and performed **EDA** by developing visualizations to find out problematic areas in the inventory.
- Identified features in the given supply chain data to build ANN, Linear Regression, SVM, Random Forest to predict aging of inventory with an accuracy of 94%.

**Graduate Research Assistant**, Georgia State University, Atlanta, GA

Aug 2021 - Dec 2022

- Collected business articles and formulated training datasets through labelling
- Analyzed, generated visualizations, and performed data cleaning operations using text analytics methods tokenization, stopwords, stemming, TD-IDF vectorization on data frames.
- Worked on building Logistic Regression, Decision Tree, Random Forest, Support Vector Machine and CNN models to predict & categorize articles related to supply chain ethics and attained an accuracy of 86%

**Senior Data Analyst**, Accenture, Bangalore, India

Feb 2020 – Jul 2021

- Analyzed and predicted rebate outflow for multiple products of a pharmaceutical company. Aided in fostering an **increase of 5%** in profit for a product by predicting sales and setting up a rebate percentage.
- Enhanced performance of a Tableau dashboard **4x** by indexing at query instead of applying index and context filters in tool.
- Proposed and implemented automation of critical Monthly DB extracts using SAP BO, SQL and Linux scripting and helped team in **saving 2 days per month**.
- Developed Universes and Data sources using **complex SQL queries, Procedures and views** in Tableau, IDT and UDT

**Data Analyst**, Tata Consultancy Services Ltd, Bangalore, India

Jul 2016 - Feb 2020

- Designed reports and Dashboards with KPI's (YTD, LYTD, APD, growth rate, etc.) on SAP BO and Tableau for sales, field service and marketing departments for a Telecommunications company.
- Designed an operational storyboard in Tableau for real-time tracking & reporting of customer churn to provide actionable insights through key metrics to reduce customer exit, helped in **increasing the revenue by 8%**
- Executed SAP BO 4.2 and Tableau migration from on-premise to AWS cloud infrastructure for all environments [DEV, UAT and PROD] and eventually **reduced 15%** of maintenance cost.
- Proposed and programmed Data Security profiles in the BO and Tableau to implement data security and privacy.

**ACADEMIC PROJECTS****Analyzing and Forecasting Market Expectations** ([GitHub](#)):

- Scraped around 100k financial estimates of various companies from Estimize employing Selenium (Python)
- Defined E-R diagram between attributes and tables and built a robust DB to store the data and support complex SQL queries
- Trained Regression Tree models to predict the estimates and achieved an accuracy of 91 % and R-squared value of 0.86

**Hotel Booking Cancellation Prediction** ([GitHub](#)):

- Identifying the patterns from previous bookings and predicting the booking cancellation probability using Machine Learning models after performing exploratory data analysis and pre-processing.
- Achieved an F1-score of 94% accuracy in prediction after training and testing data with SVM, XGBoost, Logistic regression models

**Sentiment Analysis on Movie Reviews:**

- Developed an interactive dashboard using **Tableau** which displays the count of movies based on genres, language and source which can be filtered on multiple dimensions based on country, release date, etc with more than 30000 movies.
- Analyzed, generated visualizations, and performed data cleaning operations using text analytics methods.
- Classified movies (Good or Bad) using SVM, RF, DT, Voting, CNN and achieved F1-score of 91%

**TECHNICAL SKILLS**

- Programming:** Python, R, SQL, HTML, Selenium
- Analytical Tools:** Tableau Desktop, SAP Business Objects, Alteryx
- Databases:** MySQL, Oracle, IBM Netezza, MongoDB
- Statistics/ML:** Supervised & Unsupervised learning, NLP, Regression and Tree Models, Time Series Analysis
- Operating Systems:** Linux, Windows

**ACHEIVEMENTS**

- Received best employee of month for two consecutive months.
- Aided clients in analyzing rebate outflow, fostering a 5% increase in profit for a product.
- Got an early promotion from junior to senior role immediately after completing 3 years in TCS.