

# Aastha Koshta

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**Summary:** Around 4+ years of experience as a Data Analyst, aspire to make a career in the Data Science domain.

## EDUCATION

**The University of Texas at Dallas**, Richardson, Texas

Grad Date: **May 2023**

*Master of Science in Business Analytics*

GPA: 4.0/4.0

*Relevant Coursework:* Applied Machine Learning, Advanced Statistics, Predictive Analytics using SAS, Prescriptive Analytics, Data Visualization, Business Analytics with R, Database Foundations

## TECHNICAL SKILLS

**Programming:** Python (Pandas, NumPy, Scikit, Seaborn), SQL, R, COBOL, JCL **Cloud:** AWS DynamoDB, Azure

**Databases:** SQL, MySQL, MS Access, MongoDB, Microsoft SQL Server, Oracle

**Concepts:** Hypothesis Testing, Linear & Logistic Regression, ANOVA, Chi-Square, RDBMS, ETL

**Tools:** Tableau, RStudio, Jupyter, Advanced Microsoft Excel (Pivot Tables, VLOOKUP, Macros, VBA), Power BI

**Certifications:** Google Data Analytics Professional Certificate, Agile Basics Certified

**Soft Skills:** Good Communication, Problem-Solving, Organizational, Leadership

## WORK EXPERIENCE

**Tata Consultancy Services, Mumbai, India**

**January 2017 – July 2021**

*Senior Analyst (Client-Verizon Data Services Pvt. Ltd.)*

**April 2020 – July 2021**

- Designed dashboards in **Tableau** to examine the **statistical** patterns and maintain track of consumers' expectations, **minimizing** customer churn by **15%**.
- Generated weekly and daily status reports for pattern analysis, by extracting relevant data using complex **SQL** queries.
- Led** the data validation team resulting in seamless communication with a **100% on-time project delivery**.

*Data Analyst (Client-Avis Budget Car Rental LLC.)*

**January 2017 – March 2020**

- Created visually impactful dashboards in Tableau and Excel for data reporting by using **Pivot tables and VLOOKUP**.
- Automated** ETL across structured & unstructured data which reduced manual workload by **20%**.
- Identified and addressed customer actions and trends in sales using **Python**, based on the myriad of variables to drive the behavior, **increasing sales by 70%**.
- Developed the code as per the client's requirements using **SQL, PL/SQL, and Python**.
- Extensively used python libraries like NumPy, Pandas, SciPy for **data wrangling** and analysis, while visualization libraries of Python like Seaborn, Matplotlib for graphs plotting.

## PROJECTS

**Sentiment Analysis on Amazon Fine Food Reviews (Skills: Scikit-Learn, Pandas, NumPy)**

February 2021

- Developed Naïve Bayes', Logistics Regression, SVM models in Python to classify into positive and negative customers, built WordCloud to visualize the top 10% of the words used.

**Automobile Price Prediction model (Skills: Pandas, NumPy, Seaborn, Matplotlib)**

January 2021

- Built and compared Random Forest model, K-means clustering, and conventional linear regression models and evaluated the best model using cross-validation scores with an **accuracy of 80%**.

**COVID-19's Impact on Countries' Economies (Skills: Python, MS Excel, V-look up, Tableau)**

November 2021

- Cleaned the data using **Python** and in **Excel** and imported the cleansed data in Tableau to visualize the impact of COVID with an **accuracy of 85%**.

**Seattle Airbnb Analysis (Skills: Scikit-Learn, Pandas, NumPy, SciPy, Matplotlib)**

November 2021

- Implemented **L1 and L2 Regression** to predict Airbnb prices in Seattle with an **accuracy of 84%**.

## ORGANIZATIONS AND LEADERSHIP EXPERIENCE

**Committee Head** at AIMDB, UT Dallas

September 2021 – Present

**Membership Officer** at Infinity Lion's Club, UT Dallas

September 2021 – Present