

SAI LASYA YADALA

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Education

Masters in data science,

University of Texas at Arlington, GPA - 3.2/4

May 2023

Arlington, Tx.

Bachelor of Engineering, Electronics and Communication Engineering,

R.M.D. Engineering College, GPA – 3.55/4

Sept 2020

Chennai, India.

Programing: Python, C, SQL, R, Linux, Python frameworks- Pandas, NumPy, Matplotlib, scikit-learn

Technical Skills: Data visualization, Data analysis and modeling, Data Wrangling, ETL, Regression analysis

Developer Tools: Power BI, Jupyter, Google colab, MS Excel.

Certifications: SQL, Power BI/ ETL, Python for Everybody, Data visualization using python.

Work Experience

HCL Technologies Limited

Chennai, India.

Junior data analyst

Nov '20–Dec '21

- Based on the customer sales and revenue aggregated at various months. Using Power BI charts, dashboard were built adding interactive tools, on various charts like scatter, line, bar, area, pie, donut, tree etc.,
- Generated monthly report to analyze present situation and forecast the future growth.
- Provided customer an overview of current business scenario in real time.
- Work with proposition teams to identify detailed data requirements - specifically data integration, data quality, data derivation and data transformation requirements.
- Proactively worked with team to developing new analyses and insights, to drive decisions and strategies.

Internships

HCL Technologies Limited

Jan'20–Sept'20

Chennai, India.

- Extracted, cleaned, and transformed large data sets and improved data accuracy.
 - Designed and scripted python code to perform data analysis using matplotlib.
 - Conducted data analysis and identified key insights that led to a 15% increase in their sales.
 - Presented data summaries and visualizations to senior team members and leading for decision-making.
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Academic Project Experience

Graph Analysis and Visualization:

- Using **Python** programming performed analysis on NYPD arrest data with 13 years data on daily basis.
- **Data cleaning** and **Pre-processing** implemented only on the specific years for analysis.
- Analyzed the data by plotting the histogram graph using **Matplot** library.
- Randomly picked a location and computed number of arrests in specified radius from that location using google maps.

Relational DBMS:

- Using **SQL** programming have created a following tables for the 'SOCCER' (world cup 2014 information) database.
- Loaded the records into the created tables using Python programming.
- Executed the given Queries for that database.

Extract and Load Data:

- Design and implemented a database for a Bank Enterprise by ER/EER schema diagram.
- Mapped EER schema into a relational database Schema and implemented it on **ORACLE/MySQL** in Omega.
- Loaded some data into database and created some queries.

Generating Reports using power BI:

- The main aim is to design and deliver an end-to-end business solution by transforming the raw data.
- Built a relational data model, performed **DAX Measures** on the required columns.
- Created an interactive Dashboard and Report to analyze and visualize the data.
- Compared the regional performance, analyzed the product level trends and forecasts.

Machine Learning:

- Applied and Developed **KNN algorithm** with multiple distance metrics using **NumPy**
- Conceptualized NumPy to construct the **Gaussian Naive Bayes Classifier**
- Analyzed the impact of bias on data through **data manipulation**.