

CAREER SUMMARY

- B.Tech graduate passionate about data analysis, specializing in leveraging data to inform decision-making and optimize business processes. Proficient in exploratory data analysis, machine learning, and data visualization. Committed to continuous learning and contributing to organizational success through insightful analysis.
- LinkedIn: <https://www.linkedin.com/in/madhu-sudhan-894276185/>

KEY SKILLS

- Data Analytics and Data Manipulation: Exploratory Data Analysis, Data Mining, Data management, Feature Engineering, NumPy and Pandas, Advanced Excel, Data Models.
- Machine Learning: Supervised (Regression and Classification) Learnings, Time Series Forecasting, Predictive Modelling.
- Databases: SQL
- Programming language: Python
- Data Visualization: Tableau, Matplotlib, Seaborn, PowerBI.
- Advance Analytics: Statistical Hypothesis Testing
- Cognitive Abilities: Aptitude, Logical Reasoning, Presentation.
- Excel Proficiency: Formulas & Functions, Data Analysis, Data Visualization, Data Manipulation.
- Soft Skills: Teamwork (Project Team Leader), Communication, Interpersonal Communication.

ACADEMIC – DATA ANALYST PROJECTS

- **Real Estate pricing analysis using excel**
Business Objective: To identify the most relevant features influencing house pricing to enhance decision-making processes in the real estate market.
Approach: Data cleaning and data analysis using excel. Performed descriptive stats, correlation, covariance, histogram, regression to find the most relevant factors which are affecting the price.

Tools Used: Excel
- **EDA & Data Preprocessing on Google App Store Rating & Data Visualization on Honey Production**
Business Objective: The goal is to prepare the Google App Store data for analysis and derive insights from the Honey Production data through visualization.
Approach: Data cleaning and data analysis using python for google app store rating and used libraries to get some insights from honey production dataset.

Tools Used: Python libraries: NumPy, Pandas, Seaborn, Matplotlib.
- **Helping the Film Rental Store Owner with Data Reports While the Helper is Away**
Business Objective: Improving Decision-Making through Rental Store Data Analysis
Approach: Utilize provided schema and data files to formulate SQL queries, incorporating views, joins, and group by statements to address the questions provided by the rental store owner.

Tools used: MySQL

- **Understanding Car Insurance Claims**

Business Objective: Analyze car insurance claims data to estimate accident frequencies, understand claim patterns, and inform policy development for improved benefits and increased premiums.

Approach: Utilize tableau to create interactive dashboards and visualizations focusing on customer demographics and identifying the patterns to improve customer segmentation strategies.

Link:https://public.tableau.com/views/DVTPProjectGroup3/CoverPage?:language=enUS&publish=yes&:sid=&:display_count=n&:origin=viz_share_link

Tools Used: Tableau

- **Exploratory Analysis on YouTube data**

Business Objective: To do data analysis and explore the youtube dislikes dataset using numpy and pandas libraries and drive meaningful insights by performing Exploratory data analysis

Approach: Used python libraries to import and clean the dataset, followed by exploratory data analysis.

Tools used: Python libraries: NumPy, Pandas

EDUCATION

Course	Institution	Year	Percentage
Data Analytics Program	Great Learning	2024	
B. Tech – Electronics & Communication Engineering	Presidency University, Bangalore	2022	70.02
12 th Std	Narayana Junior College, Kurnool	2018	85.7
10 th Std	Rama Krishna Vidyalayam High School, Kurnool	2016	93

CERTIFICATION

- Certificate in Data Analytics Program, Great Learning