





SAKTHIVIGNESH




DATA ANALYST

 [LinkedIn.com](#) 








 [Sakthi Portfolio.com](#) 

 [GitHub.com](#) 

CONTACT

-  +91 96776 47702
-  sakthivignesh455@gmail.com
-  Coimbatore

CERTIFICATIONS

- Data Analyst 
- Advanced Excel 
- SQL 
- Python 
- Tableau 
- Power BI 
- R Programming 

LANGUAGES

Tamil (Native)



English



HOBBIES

- Cricket
- Movies
- Songs
- Travelling
- E- Sports

ACHIEVMENT

- Participated in volleyball Tournament.
(Conducted by STC).
- Achieved 5th place on Programmer's Day.
(Organized in STC).
- Secured 3rd place in a Quiz Competition.
(Organized by STC).

ABOUT

Analytically driven and detail-oriented professional with a bachelor's degree in computer application, offering expertise in data analysis and a proven track record of transforming data into actionable insights. Seeking a challenging Data Analytics role to leverage my skills and experience to drive data-informed decisions and contribute to business growth.

EDUCATION

- Sree Saraswathi Thyagaraja College, Pollachi.
Bachelor of Computer Application (BCA)
2019-2022 CGPA: 6.7
- SKP Higher Secondary School, Udumalpet.
Class XII (HSE)
2017-2019 CGPA: 6.0

SOFT SKILLS

- **Analytical Thinking:** The ability to examine complex data sets, identify trends, patterns, and insights, and draw meaningful conclusions to inform decision-making.
- **Problem-Solving:** Able to logically approach challenges, formulate hypotheses, and utilize data-driven methods for efficient and effective solutions.
- **Attention to Detail:** Precision in data analysis and interpretation, ensuring accuracy and reliability in findings and reports.
- **Communication:** Proficiency in conveying technical information and insights to non-technical stakeholders in a clear and understandable manner, both verbally and in writing.
- **Collaboration:** Aptitude for working effectively within multidisciplinary teams, sharing knowledge, and contributing to collective goals and projects.
- **Adaptability:** Flexibility to adjust to changing project requirements, technological advancements, and evolving business needs in a fast-paced environment.
- **Critical Thinking:** Capacity to evaluate data sources, methodologies, and results critically, questioning assumptions and recognizing biases to ensure robust and reliable analyses.

HARD SKILLS

- **Languages:** Python, R, SQL, HTML, CSS.
 - Python: Pandas, NumPy, Matplotlib, Seaborn, Selenium.
 - **Big Data:** Big data technologies, big query.
- **Excel:** Pivot tables, formulas (V-Lookup and others), Data validation, and Conditional formatting, Data visualization.
- **Databases:** MySQL, SQL Server (DML, DDL, DCL, DQL, DTL).
- **BI Tools:** Tableau, Power BI.
- **Data Modelling:** Python, SQL.
- **Data Visualization:** Python, Tableau, Power BI, Excel.

CORE COMPETENCIES

- **Data Analysis:** Proficient in data analysis techniques, including exploratory data analysis (EDA) to identify trends, outliers, and patterns in large datasets.
- **Statistical Modelling:** Skilled in statistical modelling, hypothesis testing, A/B testing, and regression analysis.
- **Data Visualization:** Experienced in creating interactive dashboards and visualizations using tools like Tableau, Power BI, Matplotlib, and Seaborn.
- **Predictive Analytics:** Developed and implemented predictive models, resulting in a 15% reduction in customer churn.
- **Machine Learning:** Knowledge of classification, clustering, and feature engineering.
- **Data Cleaning and Transformation:** Proficient in data preprocessing, handling missing values, and outlier detection.
- **Decision Making:** Strong ability to make data-driven decisions that impact business strategies.
- **Business Intelligence:** Ability to connect data analysis with strategic business objectives to drive profitability.

WORK EXPERIENCE

Online Math Tutor | Focus Edumatics Pvt Ltd, Coimbatore

Sep 2022 – Feb 2023

- Deliver engaging and interactive online math lessons to students of various grade levels, focusing on subjects including algebra, geometry, calculus, and statistics.
- Assess students' learning needs and develop customized lesson plans to address individual strengths and weaknesses.
- Utilize a variety of teaching resources, including interactive whiteboards, educational games, and real-world examples, to enhance understanding and retention of mathematical concepts.
- Provide constructive feedback and encouragement to students to help them overcome challenges and reach their academic goals.
- Maintain regular communication with parents and guardians to discuss student progress and address any concerns or questions.
- Keep abreast of current educational trends and techniques to continually improve teaching methods and student outcomes.

DATA ANALYTICS PROJECTS

Data Analysis Portfolio Projects

Road Accident Analysis

Developed a comprehensive Road Accident Analysis Dashboard for 2021-2022 using Power BI, Tableau, and Excel. Provided insights into total casualties, accident severity, casualties by vehicle type, monthly trends, road types, area/location, day/night incidents, and overall accident statistics.

Key Accomplishments:

- Established primary KPIs for Total Casualties and Accidents, analyzing YoY growth.
- Developed KPIs for Casualties by Accident Severity, assessing trends.
- Implemented secondary KPIs for Casualties by Vehicle Type, offering a breakdown.
- Conducted Monthly Trend Analysis using Power BI and Tableau. Analyzed Casualties by Road Type, identifying patterns and risks.
- Explored Casualties by Area/Location & Day/Night incidents.
- Established detailed views of Total Casualties and Accidents by Location.

Skills: Data Analysis, Dashboard Development, SQL Verification, Data Modeling, Data Visualization (Power BI, Tableau), Requirement Gathering, Data Cleaning and Data Processing.

Software Used: Power BI, Tableau, Excel, and SQL.

Python Projects

App Rating Analysis

Constructed a model to predict app ratings based on various features provided in the Google Play Store dataset. This project contributes to Google Play Store's objective of promoting promising apps by providing a predictive model based on user ratings and other relevant features.

Skills: Data Cleaning, EDA, Data Preprocessing, Model Development (Linear Regression), Model Evaluation

Tools Used: Python, pandas, scikit-learn, matplotlib and seaborn.

Key Accomplishments: Conducted thorough data cleaning and addressed null values, data types, and formatting issues. Ensured data quality through sanity checks on rating ranges, reviews, and pricing logic. Utilized univariate and bivariate analyses, including outlier treatment, for feature exploration. Developed a linear regression model for app rating prediction, achieving an R2 score on training and testing sets.

Skills: Data Cleaning, Descriptive Statistics, Data Visualization, Python Programming, Pandas Library, and Matplotlib.

Tools Used: Python, Pandas, Matplotlib.

Excel Projects

Project Management Analysis

The Project Management Dashboard in Excel provides a centralized view of project-related data, aiding in effective project tracking and management. This dynamic dashboard allows users to monitor project progress, compare planned vs. actual performance, and analyze project status across different managers.

Key Accomplishments: Implemented slicers for easy project and manager filtering. Created key performance indicators (KPIs) through bar and donut charts for planned vs. actual metrics. Visualized project status using bars and a donut chart for quick overall project health assessment. Designed a detailed project tracking table with daily progress columns.

Skills: Dashboard Design, Data Visualization, Excel.

Software Used: Excel.

SQL Projects

Air Cargo Analysis

Conducted comprehensive SQL analysis for Air Cargo operations, focusing on customer-centric improvements, regular customer identification, and route optimization. Implemented various SQL operations and stored procedures to extract valuable insights.

Key Accomplishments: Developed ER diagram for airlines database, visualizing relationships. Created optimized tables with suitable constraints. Constructed queries for passenger details, business class stats, and customer information. Implemented stored procedures for dynamic range filters, distance categories, and complimentary services extraction. Utilized cursors for customer record extraction.

Skills: SQL Querying, ER Diagram Design, Stored Procedures, Query Optimization.

Software Used: MySQL.

Tableau Projects

Netflix Dashboard

Developed a Netflix Data Analysis Dashboard using Tableau to provide comprehensive insights into the streaming platform's content. The dashboard includes key performance indicators, a map showing content distribution by country, ratings bar chart, distribution chart for movies and TV shows, top 10 genres, and a total content trend over the years.

Key Accomplishments: Visualized essential content details for effective overview. Utilized interactive maps and charts for dynamic exploration. Highlighted top genres and depicted content trends over the years.

Skills: Data Visualization, Dashboard Development.

Software Used: Tableau.

Power BI Projects

Insurance Analysis Dashboard

The objective of the project is to enhance agent knowledge through a supervised predictive framework, focusing on agent segmentation. The Power BI dashboard provides a comprehensive analysis of (KPIs) and detailed insights to facilitate strategic decision-making within the insurance domain.

Key Accomplishments: Developed a Power BI dashboard with multiple pages for detailed analysis. Created dynamic slicers for granular filtering based on specific criteria. Visualized product line distribution, written premiums, policies in force quantity, retention ratios, and hit ratio distribution. Implemented interactive charts for loss ratio trends and policies in force quantity by state and product line.

Skills: Power BI Dashboard Development, Data Visualization, Statistical Analysis.

Software Used: Power BI.