Venuvanka Vamshi

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PROFILE

As an analytical and results-oriented data analyst with expertise in identifying trends, translating user needs into solutions, and clear communication, I possess a strong background in data analysis, visualization, and collaboration. I leverage my problem-solving skills to develop innovative solutions for complex challenges, consistently exceeding expectations.

EDUCATION

Intermediate Education 05/2018 – 06/2020
Alphores Junior College Hanamkonda
- MPC -90.7%

Secondary Education 03/2018
S S Concept School Hanamkonda
- SSC-97.0%

Bachelors degree in Computer Sceince and Engineering 06/2020 – 06/2024
Vaagdevi Engineering College Warangal Urban

SKILLS

Programming:
Python(Functions)

Modelling:
Linear Regression, Logistic Regression

Visualization :
Power BI, Excel charts, Jupiter Notebook

Database:
SQL

Libraries
Pandas, NumPy, Seaborn, Matplotlib, Sk Learn

CERTIFICATIONS

- ChatGPT for Data Analytics organized by **Maven Analytics.**
- **KPMG AU** Data Analytics Consulting Virtual Internship.
- Secured Gold badge in **HackerRank** SQL.
- Get Job Ready: Power BI Data Analytics for All Levels 2.0 by **code basics**

EXTERNSHIP

Machine Learning Externship,Smart Bridge 08/2023 – 09/2023
- Collaborate effectively in a fast-paced environment to address complex challenges in smart bridge technology and enhance overall team efficiency.
- Leveraged data analysis expertise to conduct extensive research on smartwatch pricing trends using Python. Developed and fine-tuned various machine learning models to predict market prices accurately.
- Achieved a noteworthy 73% accuracy rate with the Random Forest model, empowering stakeholders with data-driven insights for strategic pricing decisions.

PROJECTS

Forecasting the future of smart watch prices[python|Machine Learning]

- Developed a predictive model to estimate the market prices of smart watches based on their features using Python and machine learning algorithms.
- Developed and fine-tuned machine learning models, including **Linear Regression**, **Random Forest**, **Gradient Boosting, decision tree, and extreme gradient boosting** to predict smartwatch prices accurately.
- Achieved a **73% accuracy rat**e with a **Random Forest** model, enabling stakeholders to make informed strategic pricing decisions based on reliable data insights.

Business 360-Brick&motar and e-commerce[power bi|Sql|Excel|Dax Studio]

- Designed and implemented a comprehensive Power BI dashboard, consolidating sales data from six departments. Employed sophisticated data modeling techniques to integrate and analyze o**ver 2 million records from MySQL and Excel**. Optimized reports using DAX Studio, **achieving a 30% reduction in storage needs.**
- Improve operational efficiency and data-driven decision making for a company struggling with siloed data across departments.
- **Increased operational efficiency by 10%** through improved data accessibility and analysis

Consumer Good Ad Hoc Insights[SQL|Power bi]

- Analyze sales data for a specific product to understand its performance and impact on revenue growth.
- Scrutinized sales data for a unique product using SQL and Power BI. This analysis revealed a remarkable **36.33% YoY increase in sales** for FY2021, highlighting the positive impact of strategic decisions on revenue growth.
- The analysis identified "**Notebook" as the best-selling product with a tremendous 36% surge in sales**. This valuable insight can be used to inform future product development and marketing strategies.

Telangana Growth Analysis and Insight Presentation[Python|Power BI]

- Developed and presented a Power BI dashboard for Telangana Growth Analysis, utilizing real datasets from 'Open Data Source,' including Stamp Revenue, Transportation, and TSiPass .
- Facilitated government decision-making by identifying potential industries for future investment, forecasting infrastructure development, and providing essential digitalization education to citizens.
- Identified the **top 5 sectors for investment**, revealing a **48% increase in E-Stamp Revenue in 2022**, a consistent **60% rise in electric vehicle sales**, and a **20% overall increase in investment**, notably in pharmaceutical, plastic, and rubber industries.

STRENGTHS

- Statistical Analysis
- Problem Solving
- Attention to detail
- Communication Skills
- Continuous Learning
- Project Management

DECLARATION

I hereby declare that all the information mentioned above is true to the best of my knowledge.

Venuvanka Vamshi