

Venuvanka Vamshi

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<https://vamshi12vamshi.github.io/portfolio/>

PROFILE

As an analytical individual with expertise in data analytics, I possess a strong background in analysis, data visualization, and programming. My ultimate goal is to leverage my knowledge and practical experience to make meaningful contributions to a dynamic team. With my skills and experience, I am confident that I can bring value to any organization that I work with.

EDUCATION

Graduated in Computer Sceince and Engineering

Vaagdevi Engineering College

06/2020 – Till date

Warangal Urban

Intermediate Education

Alphores Junior College

- MPC -90.7%

05/2018 – 06/2020

Hanamkonda

Secondary Education

S S Concept School

- SSC-97.0%

03/2018

Hanamkonda

SKILLS

Programming:

Python(Functions)

Visualization :

Power BI, Excel charts,
Jupiter Notebook

Database:

SQL

Libraries

Pandas, NumPy,
Seaborn, Matplotlib,
Sk Learn

Modelling:

Linear Regression,
Logistic Regression

CERTIFICATIONS

- ChatGPT for Data Analytics organized by Maven Analytics
- KPMG AU Data Analytics Consulting **Virtual Internship**

EXTERNSHIP

Machine Learning Externship,Smart Bridge

- Collaborated with a team, in a work environment to tackle real-world problems in the smart bridge technology field.
- Conducted data analysis to uncover trends and patterns in smartwatch pricing, which helped us create predictive models.
- Solely responsible for the coding part of the project showcasing my proficiency in programming languages.
- Created informative data visualizations to effectively communicate our findings to both technical and non-technical stakeholders.

08/2023 – 09/2023

Hyderabad

PROJECTS

Forecasting the future of smart watch prices

- Compiled a comprehensive dataset of 500+ smartwatches, capturing key features such as brand, display type, battery life, GPS, NFC, heart rate monitoring, and sleep tracking, enabling data-driven decision-making for product development and marketing campaigns.
- 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.
- Assessed model performance using metrics such as **Mean Absolute Error (MAE), Root Mean Squared Error (RMSE), and R-squared (R2)** values to ensure accurate price predictions.

NYC taxi trip EDA

- Conducted a comprehensive exploration of NYC taxi trip data using various dimensions such as time, geography, and passenger details.
- Analyzed passenger counts by month, day, and year, utilizing advanced data visualization techniques to identify patterns and trends, enabling data-driven decision-making for resource allocation and operational planning.
- Developed and implemented an interactive taxi portfolio showcasing various durations, leveraging latitudes and longitudes to accurately calculate distances, improving user experience and engagement.
- Developed and executed an EDA project utilizing Python libraries including **Pandas, NumPy, Matplotlib, and Seaborn** to analyze and visualize data, uncovering key insights for informed decision-making.

SQL Query IMDB Dataset Analysis

- Embarked on a thorough data analysis voyage through the IMDB dataset, comprising movies and directors tables, offering the flexibility to harness both SQL and Python for analysis.
- Leveraged SQL to efficiently query and fuse data from movies and directors tables, enabling comprehensive analysis of movie attributes, ratings, and genre preferences.
- Delved into director names to unravel their influence on film success, enriching our understanding of the industry's key players.
- **Technologies used:** Python, SQL

ACHIEVEMENTS

11/2023

- Cleared **HackerRank SQL** assessment

STRENGTHS

- Statistical Knowledge
- Problem Solving
- Attention to detail
- Communication Skills
- Continuous Learning

DECLARATION

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

Venuvanka Vamshi