

Fenil Vaghani

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Skills

Programming Languages: Python, SQL, R, DAX

Data Analysis: Pandas, NumPy, SciPy, Pandas

Data Vizualization: Matplotlib, ggplot2

ML/DL Frameworks: PyTorch, Scikit-Learn, Keras, TensorFlow

Web Scraping: BeautifulSoup, Scrapy

Cloud Services: Google Cloud Platform (GCP), Amazon Web Services (AWS)

Database: MySQL, PostgreSQL, Firebase, MongoDB, DynamoDB

BI tools: Tableau, Microsoft Power BI, QlikView

Data Warehousing Technologies: Amazon redshift, Snowflake

Other Skills: MS Office, Communication, Decision Making, Statistical Analytics

Special Projects

Credit Bankruptcy (R, Tableau, MS Excel)

- Utilized feature engineering to generate 20+ attributes, achieving an efficacy of 70% for non-predictive data analysis in R.
- Analyzed data of 17 attributes and developed 5 classification models, including Logistic, LDA, QDA, KNN, and Decision Tree, and attaining accuracy of 79.5%.
- Formulated an interactive MS Excel sheet to calculate profits and maximized it by 80% by deploying models.

COVID-19 Cases (Python, Tableau)

- Completed data pre-processing and cleansing, such as handling missing data and duplicate values on a data set of about 10000 rows with python.
- Produced maps, charts, and grid systems to determine death and recovery rates comparing 20 countries worldwide and prepared and submitted written reports from analyses.
- Created a live dashboard to visualize confirmed, recovered, active, and 1% weekly increase in cases.

Smart Waist Belt Using Internet of Things (IoT Modules, Firebase Database, SQL)

- Designed and developed a Smart Waist Belt+ Mobile Application to address back pain caused by modern lifestyle habits, integrating NodeMCU, MPU6050, and MAX30100 modules to measure user posture, pulse rate, and oxygen levels. Published Research Paper: IARJSET
- Implemented a secure Firebase real-time database to store user data and enable seamless access from multiple devices, providing valuable health information to users and doctors.

Certification

- Introduction to Data Science in Python • Data Analysis with Python
- SQL for Data Science • Data Science Methodology

Experience

Trueline Solution-TLS

Surat, Gujarat, India

Data Analyst

March 2019 – July 2022

- Engaged in Analyzing and interpreting complex data sets to support strategic decision-making, ensuring continuous project communication and advancement.
- Conducted in-depth data analysis using SQL, leading to a notable 15% improvement in performance in customer acquisition strategies.
- Performed data cleansing and validation to ensure data accuracy, reducing data errors by 20% and implemented data Governance policies to ensure compliance with industry regulations.

Education

Master of Science in Data Science

January 2022 – April 2024

University of the Cumberland - Pursuing (Current GPA-3.7/4.0)

Cumberlands, KY