RUTVIK CHAVHAN

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Data Analyst with expertise in data visualization, SQL, Python, and Power BI. Skilled in cleaning, analyzing, and interpreting complex datasets to drive data-informed decisions. Experienced in real-time data analytics, predictive modeling, and dashboard development.

TECHNICAL SKILLS

Data Visualization & BI: Power BI, Tableau, Looker

Databases & Querying: SQL, MySQL

Data Processing & Transformation: Excel, Python (Pandas, NumPy, Matplotlib, Seaborn)

Data Modeling & Analysis: Data Cleaning, Insight Extraction

Machine Learning: Linear Regression, Logistic Regression, KNN, Decision Tree, PCA

Data Processing & Deployment: Flask, Docker, Google Cloud AI

PROJECT

Customer Churn Prediction

Technologies: Python, Scikit-Learn, Pandas, NumPy, Matplotlib, SQL, Tableau

- Developed a churn prediction model using **logistic regression** and random forest to identify high-risk customers.
- Engineered key features from customer behavior data and performed data preprocessing (handling missing values, encoding, and scaling) for optimal model performance.
- Achieved 80% model accuracy by **tuning hyperparameters** and evaluating performance with **ROC-AUC** and precision-recall curves.
- Built an interactive **Tableau dashboard** to visualize churn trends, customer segmentation, and retention strategies**.**

Energy Theft Detection and Analysis

Technologies: Python, Tableau, SQL, Data Visualization

- Designed and implemented an energy theft detection system using Tableau to analyze billing discrepancies and consumption patterns.
- Developed a Fraud Risk Scoring System with calculated fields to classify customers into High, Medium, and Low Risk categories.
- Built interactive dashboards with dynamic filters for real-time fraud analysis, trend forecasting, and anomaly detection.

EDUCATION

Bachelor of Technology in Computer Technology	**7.8 CGPA**
Rashtrasant Tukadoji Maharaj Nagpur University	**06/2020 – 06/2024**

CERTIFICATION

Data Science and A.I	**10/2024 – Current**

- *Gained expertise in **machine learning, and data analytics**, with hands-on experience in Python, SQL, and cloud platforms.*

Java FullStack Development	**08/2023 – 04/2024**

- ***Developed and deployed** full-stack web applications using Java, Spring Boot, Hibernate, REST APIs, and front-end technologies.*

Web Development	**04/2023 – 07/2024**

- ***Web Development Fundamentals** – Proficient in HTML, CSS, JavaScript, and responsive design principles for building user-friendly web interfaces.*