DENISBHAI RASIKBHAI KATHIRIYA

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EDUCATION

M.Sc. E-Government   10/2024 - Present

University of Koblenz - Koblenz, Germany

Courses: Machine Learning and Data mining, Data Science, Big Data , Artificial Intelligence, Risk Management, Data Analysis

Bachelor Of Computer Application   10/2021 – 04/2024

Veer Narmad South Gujarat University - Gujarat, India

Courses: Computer programming, Web and App Development (Python, Java, .Net, C, C++), Data Analysis, DSA(Data Structure and Algorithms)

GPA: 1.6

SUMMARY

I am a highly motivated individual with a strong passion for data analysis and optimization. Currently pursuing an M.Sc. degree in E-Government, Computer Science Skills, I possess a solid foundation in data science, data analysis, and machine learning. Combining this with my background in Computer Programming skill, I offer a unique blend of technical proficiency and analytical acumen with self-learning and analytical mindset.

SKILLS

Programming Languages: Python, SQL, R programming,
Machine Learning: NumPy, Pandas, Scipy, TensorFlow, PyTorch, Scikit learn, NTLK, regression analysis, PySpark ML

Data Visualization: Power BI, Tableau, Matplotlib, Seaborn, ggplot2, Dash, Plotly

Database Management: MySQL, Microsoft SQL Server

Software Development Tools: PyCharm, Jupyter notebook, Visual Studio Code, Visual Studio

OS & Other: Windows, Linux, MS Office tools such as Word, PowerPoint, Excel, Outlook, and SharePoint

Strength: Creativity, Problem-solving, Team Spirit, Communication, Analytic, Time management, Adaptable

EXPERIENCE

INTERN – DATA ANALYTICS

NopCypher - India   10/2023 - 03/2024

- Spearheaded impactful visualizations in **PowerBI**, **Excel**, and **Python**, translating complex data into actionable insights with a 20% improvement in data comprehension, driving a 30% increase in data driven insights.

- Precision-crafted detailed **reports** and **dynamic dashboards**, reducing the time required to convey critical information by an impressive 20%, while contributing to a 15% improvement in **decisionmaking** processes.

- Leveraged **SQL** expertise to optimize database **queries**, enhancing data retrieval efficiency and supporting seamless integration into **visualizations**.

- Applied advanced techniques in **data representation**, improvement in decision-making processes.

INTERN – DATA ANALYTICS

Actize IT - India   04/2023 - 09/2023

- Analyzed mobile network performance, identified coverage gaps, and **visualized** key **KPIs** to provide actionable **insights** for technical teams.
- Streamlined reporting workflows, achieving a 30% **reduction** in analysis time and enhancing efficiency in **network diagnostics.**
- Proficient in **Tableau**, **SQL**, and data **modeling**, with a strong ability to convert complex datasets into insightful **dashboards** and **performance** reports.
- Eager to apply my analytical skills in the **ETCS diagnostics environment**, **driving innovative**, **data-informed solutions** for the advancement of rail transport.

PROJECTS

Sales Forecasting Using Time Series Analysis

- Developed a time series forecasting model using **ARIMA** and Facebook Prophet to **predict future sales** trends for a retail business.

- Engineered a robust ETL **pipeline** to preprocess sales data using **SQL**, ensuring data integrity and consistency.

- Created an interactive **Tableau** dashboard with DAX-powered measures, allowing users to compare actual sales with forecasted values dynamically.

- Integrated advanced anomaly detection techniques to highlight unusual sales patterns, assisting in business decision-making.

House Price Prediction (Regression Model)

- **Designed an end-to-end regression model** to predict house prices using advanced machine learning techniques (XGBoost, Linear Regression).

- **Performed extensive data preprocessing**, handling missing values, feature scaling, and outlier detection to improve model accuracy.

- **Developed a Streamlit web app** to allow users to input property details and receive instant price predictions.

- **Built a Power BI dashboard** to compare model predictions with actual market trends, integrating live data for real-time insights.

- **Utilized interactive DAX functions** to enable users to analyze property price trends by location, size, and other key factors.

Customer Churn Prediction

- Led a **Customer Churn Prediction** project using Python and machine learning (Logistic Regression, Random Forest, XGBoost), achieving over 85% accuracy in identifying at-risk customers.

- Performed **data preprocessing, feature engineering, and EDA** to uncover key churn drivers and improve model performance.

- Communicated insights through interactive **Tableau dashboards**, enabling business stakeholders to develop targeted retention strategies.

- Integrated **SQL queries** to extract customer behavior data from relational databases, improving data pipeline efficiency.

CERTIFICATES

Data Analysis with R Programming by Google (Coursera)	2024
Python for Data Science, AI & Development by IBM (Coursera)	2023
Scientific Computing with Python (freeCodeCamp)	2022

LANGUAGES

English (Fluent) Full Professional Proficiency
German (Good) Professional Working Proficiency