Bhavesh Kusakiya

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Objective

Analytical and highly motivated Data Science graduate with hands-on experience in predictive modeling, time series forecasting, and sentiment analysis. Proficient in Python, SQL, Tableau, and machine learning tools. Successfully delivered projects with up to 85% model accuracy. Seeking an entry-level Data Scientist role to leverage technical and analytical skills to solve real-world problems and support data-driven strategies.

Skills

- Programming Languages: Python, R, SQL, JS, HTML, CSS
- Data Visualization: Tableau, Power BI, Matplotlib, Seaborn
- Data Engineering: ETL, Data Pipeline, Data Cleaning, NumPy, Pandas
- Machine Learning: Scikit-Learn, TensorFlow, PyTorch, Cross-validation, Feature Engineering
- Cloud/Tools: Git, Google Colab, REST APIs
- Statistics & Probability: Hypothesis testing, A/B testing, Confusion Matrix, F1-Score, Recall, Precision
- Others : Data Cleaning & Preprocessing, Problem-solving mindset, Critical thinking & attention to detail, Time management

Experience

Freelance *Aug - 2024 - Feb - 2025*
Data Analyst

- Delivered analytics solutions to freelance clients in retail and logistics sectors.
- Created dynamic dashboards in Tableau and Power BI to visualize KPIs and trends.
- Built customer segmentation and churn prediction models using Python (Random Forest, K-Means).
- Automated reporting workflows with Pandas and Excel for a logistics startup, reducing manual work by 60%.

Self-Directed *Jan - 2024 - Apr - 2024*
Data scientist project

- Built a churn prediction model for telecom data (85% accuracy using XGBoost).
- Conducted sentiment analysis on 10,000+ tweets and visualized with Seabom.
- Forecasted 6-month retail sales using ARIMA/Prophet (MAE < 10%).
- Created interactive dashboards and published results on GitHub.

Project

Loan Risk Analyzer

- Built a classification model using logistic regression and XGBoost to predict loan defaults.
- Preprocessed real-world loan data, handled missing values, and performed feature engineering.
- Achieved 89% accuracy with an AUC score of 0.91; segmented risky applicants for mitigation.

Customer Churn Prediction Using Machine Learning

- Developed a churn prediction model using Python with Logistic Regression, Random Forest, and XGBoost.
- Achieved 85% accuracy by applying hyperparameter tuning and cross-validation techniques.
- Visualized key churn factors using Tableau, enabling actionable insights for customer retention.

Sentiment Analysis on Twitter Data

- Collected and preprocessed raw Twitter data by removing noise, special characters, and stopwords.
- Implemented NLP techniques and trained models using Logistic Regression and Naive Bayes for sentiment classification.
- Visualized sentiment trends using Matplotlib and Seaborn, delivering insights on public opinion.

Smart Health Tracker

- Developed a health dashboard that tracks water intake, calories burned, and sleep hours.
- Visualized user data with Matplotlib and Seaborn to generate health graphs over time.
- Helped users monitor hydration and sleep habits using trend analysis.

E-commerce Sales Forecasting Using Time Series Analysis

- Cleaned and analyzed historical sales data to identify trends and seasonality patterns.
- Applied ARIMA and Prophet models for accurate future sales forecasting.
- Visualized predictions using Matplotlib and Seaborn, providing insights for demand planning and inventory management.
- Enhanced model accuracy with hyperparameter tuning and cross-validation.

Education

StarAgile
Certified Course in Data Science *May 2023 - April 2024*
A

Mithibai College
MSc - Mathematics *June 2021 - April 2023*
B+

G.N.Khalsa college of Arts, science and commerce
BSc - Mathematics *June 2018 - April 2021*
7.56

Certification

Python for Data Science – IBM (2023)
Gained hands-on experience with Python libraries like Pandas, NumPy, and Matplotlib. Applied data wrangling, analysis, and visualization techniques on real-world datasets.

Machine Learning with Python – IBM (2023)
Learned supervised and unsupervised ML algorithms, including decision trees, k-means, and logistic regression. Built predictive models using Scikit-learn and evaluated them with accuracy metrics.

Machine Learning with R – IBM (2024)
Implemented ML models using R for classification and regression tasks. Focused on data preprocessing, model tuning, and visualization using packages like caret and ggplot2.

Advanced Excel – Mithibai College (2022)
Mastered advanced Excel functions such as pivot tables, VLOOKUP, conditional formatting, and data analysis tools to manage and analyze structured datasets efficiently.

Language

- English
- Hindi
- Marathi
- Gujarati

Declaration

I hereby declare that the above information is true and correct to the best of my knowledge