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Dinesh Shahi

Data Analyst | Junior Data Scientist

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Data Analyst with a strong foundation in **Advanced Excel, Python, and SQL**, and hands-on experience across the full data lifecycle including data cleaning, wrangling, transformation, visualization, and exploratory data analysis (EDA). Experienced in analyzing real-world datasets to extract actionable insights and support data-driven **business decisions**. Skilled in statistical analysis, **dashboard** development, and predictive modeling with practical experience in customer analytics, churn prediction, classification projects and recommendation systems. Seeking an **entry-level** Data Analyst role with opportunities to contribute to **data science** and **machine learning** initiatives while continuing to grow professionally.

SKILLS

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| Tools and Languages | Python, Python Libraries, SQL, Git , Github , Excel, Power BI , Jupyter Notebook |
| Statistics & ML | Statistical analysis, predictive modeling, classification, churn prediction, recommendation systems |
| Data Analysis | Data cleaning, wrangling, transformation, exploratory data analysis (EDA), Feature Engineering |

JOB TITLE

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| Data Engineer <i>Diyo.AI</i> | March 2025 — June 2025 <i>Jwagal, Lalitpur</i> |
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- Improved data quality and reliability by resolving missing values, inconsistencies, and outliers in structured datasets through systematic **data cleaning** and validation processes.
- Identified key patterns and trends in datasets by performing **exploratory data analysis (EDA)** using statistical techniques and data visualizations.
- Streamlined end-to-end data processing and reporting by integrating **Python** analysis with **SQL** queries and Excel workflows.
- Supported data-driven business decisions by delivering well-structured datasets and analytical outputs for modeling and reporting purposes.

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| Data Science and Machine Learning <i>Skillshikshya</i> | January 2025 — March 2025 <i>Sankhamul, Kathmandu</i> |
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- Enhanced data readiness for analysis and modeling by processing large datasets with **Python** (Pandas, NumPy) to filter records, handle outliers, normalize features, and prepare clean input data.
- Improved data accuracy and consistency by performing comprehensive data cleaning, transformation, and validation on structured datasets, while building and testing **machine learning models** for classification and regression using Scikit-learn.
- Evaluated model performance using key metrics such as accuracy, precision, recall, and RMSE, and optimized results through parameter tuning.

EDUCATION

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| Bachelor of Science in Computer Science and Information Technology (B.Sc.CSIT) , <i>Tribhuvan University</i> | 2020 – 2025 |
| +2 Science , <i>National Examination Board</i> | 2018 – 2020 |

PROJECTS

Customer Churn Prediction

- Analyzed real-world customer data to identify behavioral and transactional patterns contributing to customer churn.
- Cleaned and preprocessed datasets by handling **missing values**, **outliers**, and inconsistent records to improve data quality.
- Built and trained supervised machine learning models to predict customer churn risk and evaluated model performances.
- Identified **high-risk** customer segments to support proactive retention and business decision-making.
- [Customer Churn Prediction – Live Demo](#)

Customer Personality Analysis and Target Marketing

- Conducted in-depth analysis of customer demographic and behavioral data to understand purchasing patterns.
- Performed data cleaning, transformation, and feature engineering to prepare datasets for analysis and modeling.
- Used machine learning models to support targeted marketing strategies and audience profiling.
- Delivered actionable insights to support personalized marketing, campaign optimization, and customer engagement.
- [Customer Personality Analysis and Target Marketing - View Work](#)

CERTIFICATION

- [Data Engineer - Diyo.AI](#)
- [Data Science and Machine Learning - Skillshikshya](#)
- [Kaggle](#)