

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

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 & Market Analysis	Data cleaning, wrangling, transformation, EDA, Feature Engineering, Equity market analysis, technical indicators (RSI, MACD, MA), volume and broker analysis, data-driven market insights
Soft Skills	Communication, Problem Solving, Team Collaboration, Time Management, Analytical Thinking

JOB TITLE

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.

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

Bachelor of Science in Computer Science and Information Technology (B.Sc. CSIT), Tribhuvan University	2020 – 2025
+2 Science, National Examination Board	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](#)