

NIKUNJ PANTHI

DATA SCIENCE & MACHINE LEARNING INTERN

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PROFESSIONAL SUMMARY

6th-semester Bachelor of Information Technology student at Gandaki University focused on Data Science, Machine Learning, and Analytics. Hands-on experience with Python, SQL, PostgreSQL, Pandas, Scikit-learn, XGBoost, Power BI, and Streamlit. Built an end-to-end e-commerce customer intelligence solution covering data processing, exploratory analysis, RFM segmentation, predictive modeling, recommendation analysis, and interactive business intelligence. Seeking Data Science, Machine Learning, or Data Analytics internship opportunities.

TECHNICAL SKILLS

Programming & Data: Python, SQL, Pandas, NumPy, Matplotlib, C, Java, PHP, JavaScript

Machine Learning: Scikit-learn, XGBoost, Random Forest, Linear Regression, K-Means Clustering, Classification, Churn Prediction, Feature Engineering

Analytics & Statistics: Exploratory Data Analysis (EDA), RFM Analysis, Customer Segmentation, Model Evaluation, Descriptive & Inferential Statistics, Probability

Databases & BI: PostgreSQL, MySQL, Power BI, DAX, Streamlit

Tools: Jupyter Notebook, Git, GitHub, VS Code, pgAdmin

FEATURED PROJECT

E-Commerce Customer Intelligence & Analytics | Python, PostgreSQL, Machine Learning, Power BI, Streamlit

- **Data Processing & EDA:** Cleaned and processed ~500,000 transactional records using Python/Pandas and PostgreSQL; engineered customer-level analytical features.
- **Customer Segmentation:** Applied RFM (Recency, Frequency, Monetary) analysis to classify customers into Champions, Loyal Customers, At Risk, and Lost segments.
- **Predictive Modeling:** Trained and evaluated Random Forest and XGBoost churn prediction models, achieving approximately **0.80 ROC-AUC**.
- **Recommendation Analysis:** Built a recommendation feature using customer purchase behavior and similarity-based analysis.
- **BI & Application:** Developed Power BI dashboards and a Streamlit Customer 360 application for interactive customer insights and decision support.

Project: [GitHub repository](#)

ADDITIONAL PROJECTS

BroCar – Online Vehicle Rental System | PHP, MySQL, JavaScript, eSewa

- Built a full-stack vehicle rental platform with booking workflows, user and vehicle management, administrative controls, and integrated eSewa online payments.

nsureinsurance.com – Live Insurance Portal | Web Development

- Developed and deployed a live user-facing insurance website, working on interface structure, content presentation, and production deployment.

EDUCATION

Bachelor of Information Technology (BIT) — Gandaki University, Pokhara, Nepal

6th Semester | Currently Enrolled | Expected Graduation: 2027/2028

Relevant Coursework: Artificial Intelligence, Data Mining, Database Management Systems, Statistics & Probability, Data Structures & Algorithms, Software Engineering, Operating Systems, Computer Networks, Research Methodology.

EXPERIENCE

Private Academic Tutor | Nepal

- Explained complex technical and mathematical concepts to individual students, strengthening communication, problem-solving, and interpersonal skills.

CAREER INTERESTS

Data Science • Machine Learning • Data Analytics • Business Intelligence • Customer Analytics • Applied AI