Anurag Bhattarai

PYTHON SCIKIT LEARN PANDAS

2006/ december/ 12
9840602187
Taudaha
anuragbhattarai2005@gmail.com

Personal Profile

Hi, I'm Anurag Bhattarai, a student from Taudaha, Kathmandu, pursuing a path toward machine learning engineering. My journey started with curiosity about AI and large language models: I wanted to know not just what they do, but how they work. That curiosity drives my daily learning and small experiments. Right now I'm focused on core Python tooling for data work — Pandas for data manipulation, NumPy for numeric work, and Matplotlib/pyplot plus Seaborn for visualizing results. I enjoy turning data into clear visuals and simple analyses that explain what's happening under the hood. My strengths are communication, sales mindset, and problem-solving. I tend to approach problems intuitively, favoring quick experiments and iteration to find practical solutions. That helps me learn faster and adapt to new tools and ideas without getting stuck in over-preparation.

Key Skills

DATA VISUALIZATION (TABLEAU, POWER BI) DATA ANALYSIS PYTHON, TYPESCRIPT, JAVASCRIPT, VUE, SQL, HTML, CSS. MATPLOTLIB SCIKIT LEARN PANDAS NUMPY

Education

BACHELOR IN BACHELOR'S IN INFORMATION TECHNOLOGY AND MANAGEMENT
Shanker Dev Campus
TRIBHUVAN UNIVERSITY
STUDYING

Work Experience

Sales and Marketing intern at Rewa Soft

2025-04-12 To 2025-06-13

As a Sales & Marketing Intern at Rewa Soft—a Kathmandu‑based software house that builds custom web and mobile apps—I dive into both sales and marketing to help grow our client base and sharpen our outreach. My key responsibilities include: • Conducting market research across e‑commerce, hospitality and ed‑tech verticals to build a pipeline of 60+ qualified leads each month • Qualifying inbound inquiries with quick discovery calls and logging detailed profiles into our HubSpot CRM • Drafting client‑ready proposals and slide decks—pulling in past project screenshots, testimonials and clear value propositions • Assisting with LinkedIn and Facebook campaigns: scheduling posts, monitoring basic metrics (likes, comments, shares) and flagging trends • Keeping our CRM clean and up to date—managing contact records, setting follow‑up reminders and archiving stale leads • Preparing a concise weekly "win report" that summarizes new leads, campaign performance highlights and next‑step recommendations

Projects

Credit Risk Assessment App

https://credit-guard-ai.streamlit.app/

CreditGuard AI is a machine learning-powered financial assessment tool designed to predict loan default risk in real-time. By analyzing 20+ financial behaviors (including Income, Debt-to-Income Ratio, and Payment History), it classifies applicants into Good, Standard, or Poor risk categories. ?? Live Demo: Click Here to Launch App (Note: If the app is sleeping, click "Wake Up" and wait 30 seconds) ?? Key Features Real-Time Prediction Engine: Utilizes a trained XGBoost Classifier to deliver instant credit scores with probability confidence levels. ??? Hybrid Decision Logic (Safety Layer): Unlike standard "black box" models, this system includes a Hard-Rule Override layer. Example: If an applicant has a payment delay > 90 days, the system automatically flags them as "High Risk" regardless of the model's output, preventing costly false positives. Interactive Dashboard: A user-friendly interface built with Streamlit for loan officers to input data and visualize risk factors dynamically. Robust Data Handling: Handles outliers and skewed financial data using industry-standard scaling techniques. ?? Machine Learning Pipeline The backend intelligence was developed manually using a rigorous Data Science workflow: Data Preprocessing: Cleaning: Removed garbage values and handled missing data. Encoding: Applied LabelEncoder for categorical variables (e.g., Occupation, Loan Type). Scaling: Used RobustScaler to normalize financial data while minimizing the impact of extreme outliers. Feature Engineering: Implemented SelectFromModel to identify the most impactful financial indicators, reducing dimensionality and improving speed. Class Balancing: Applied SMOTE (Synthetic Minority Over-sampling Technique) to fix dataset imbalance, ensuring the model learns to identify "Poor" credit risks just as well as "Good" ones. Model Selection: Trained multiple models (Random Forest, Decision Tree, Bagging). Selected XGBoost for its superior performance (Accuracy: ~87%) and handling of non-linear financial patterns. ??? Tech Stack Language: Python 3.10+ Machine Learning: XGBoost, Scikit-Learn, Imbalanced-learn Data Manipulation: Pandas, NumPy Visualization: Matplotlib, Seaborn Frontend Interface: Streamlit (Rapid prototyping assisted by AI tooling) Deployment: Streamlit Community Cloud

Reference

Rewa Soft

Ankur Chhipi Mourya

ankur.rewasoft@gmail.com

9843493682

Social's

https://github.com/anurag342-dot

https://www.linkedin.com/in/anurag-bhattarai-362368340?utm_source=share&utm_campaign=share_via&utm_content=profile&utm_medium=ios_

https://www.instagram.com/meanurag1234/