

Subash Katwal

Machine Learning / AI Enthusiast

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I am an AI and Machine Learning enthusiast pursuing a BSc. in CSIT at Tribhuvan University, skilled in Python, ML, and Agentic AI with experience building AI-driven projects like a Word Predictor and Nepal Travel Assistant.

Work Experience

Data Science Intern

Nov 2024 - Dec 2024

Prodigy Infotech | Remote

- Performed EDA on Titanic and Bank Marketing datasets.
- Data Distribution Visualization– Created bar charts and histograms for categorical/continuous variables.
- Customer Purchase Prediction– Built a Decision Tree model for customer purchase prediction.
- Social Media Sentiment Analysis– Analyzed and visualized sentiment patterns using NLP.

Projects

Predictive Modeling & Machine Learning

Jun 2024 - Sep 2024

Developed a classification model to predict heart disease risk.

Word Predictor (LSTM)

Oct 2024 - Nov 2024

Built an LSTM-based model for next-word prediction in both English and Nepali text.

Nepal Travel Assistant

Jun 2025 - Present

Developed a personalized travel assistant for Nepal using XGBoost , Recommendation algorithm and Django backend.The system provides itinerary suggestions, travel tips, and destination insights based on user preferences and real-time data. Implemented a clean UI with basic HTML/CSS and integrated AI-driven responses for dynamic travel planning.

Agentic AI

Sep 2025 - Present

A hands-on project showcasing experiments with graph algorithms, AI logic flows, and data visualization using Python and Jupyter Notebooks. It includes implementations of graph-based operations, conditional flows, and sequential node structures. The project demonstrates my understanding of algorithmic thinking, data structures, and applied AI logic design

Core Skills

Programming Languages: Python, C, C++

Machine Learning: Scikit-learn, Decision Trees, Classification, Regression

Deep Learning: LSTMs, Transformers, Neural Networks

Natural Language Processing (NLP): Text Prediction, Language Translation

Data Analysis & Visualization: Pandas, NumPy, Matplotlib

Data Preprocessing & EDA: Feature Engineering, Handling Missing Values, Data Cleaning

Education

New Summit College, Tribhuvan University

Jan 2022 - Present

BSc. Computer Science and Information Technology (CSIT)

Certificates

Transformer Models and BERT

Data Mining for Data Science

Introduction to Artificial Intelligence