Subash Katwal

Machine Learning / AI Enthausist | BSc.CSIT student | Tribhuvan University

✉ subashkatwal112@gmail.com   📞 9749459199   📍 Kathmandu, Nepal   in subashkatwal

WORK EXPERIENCE

Prodigy Infotech

Data Science Intern   Nov 2024 - Dec 2024

- **EDA on Titanic Dataset** – Cleaned data, handled missing values, and analyzed survival trends.
- **Data Distribution Visualization** – Created bar charts and histograms for categorical/continuous variables.
- **Customer Purchase Prediction** – Built a decision tree classifier using the Bank Marketing dataset.
- **Social Media Sentiment Analysis** – Analyzed and visualized sentiment patterns using NLP.
- **Traffic Accident Analysis** – Identified patterns and visualized accident hotspots with geospatial plots.

EDUCATION

New Summit College

BSc. CSIT   Jan 2022 - Present

PROJECTS

Exploratory Data Analysis & Visualization 🔗   Dec 2024 - Jan 2025
- **Titanic Dataset EDA** – Cleaned data, handled missing values, and analyzed survival trends.
- **Data Distribution Analysis** – Created bar charts and histograms for categorical/continuous variables.

Word Predictor (LSTM) 🔗   Oct 2024 - Nov 2024
- Built an LSTM-based model for next-word prediction in both English and Nepali text.

Predictive Modeling & Machine Learning 🔗   Jun 2024 - Sep 2024
- Customer Purchase Prediction – Built a decision tree classifier using the Bank Marketing dataset.
- Heart Disease Prediction – Developed a classification model to predict heart disease risk.
- Mine vs Rock Prediction – Built a machine learning model to classify sonar signals as mines or rocks.
- Password Strength Checker – Created a model to evaluate password security levels.

SKILLS

- **Programming Languages**: Python
- **Machine Learning**: Scikit-learn, Decision Trees, Classification, Regression
- **Deep Learning**: LSTMs, Transformers, Neural Networks, TensorFlow,
- **Natural Language Processing (NLP)**: Sentiment Analysis, Chatbots, Text Prediction, Language Translation
- **Data Analysis & Visualization**: Pandas, NumPy, Matplotlib
- **Data Preprocessing & EDA**: Feature Engineering, Handling Missing Values, Data Cleaning

CERTIFICATE

Transformer and BERT Model- SimplLearn 🔗
- Learned core concepts of Transformers and BERT for NLP applications.

Introduction to AI (2023) – LinkedIn Learning 🔗
- Covered fundamental AI concepts, including machine learning, deep learning, and AI applications.

Data Mining for Data Science – MindLuster 🔗
- Gained expertise in data mining techniques, preprocessing, and pattern discovery for data science applications.