

Bibek Bhattarai

Aspiring Machine Learning Engineer

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Aspiring Machine Learning Engineer with practical experience from a hands-on internship in machine learning. Skilled in developing and deploying machine learning models to extract insights and solve problems. Good foundation in data analytics, statistical modeling, and algorithm design. Proven ability to work with open-source ML tools, automate work, and optimize models for performance.

SKILLS

Machine learning : Scikit-learn, TensorFlow, PyTorch, Regression vs Classification Problem

Data Processing & Visualization: NumPy, pandas, Matplotlib, Seaborn

Programming: Python, C

Databases: MySQL, PostgreSQL, SQLite, MongoDB

Version Control & DevOps: Git, GitHub, Docker

Web Development & Frameworks: Django, Flask, JavaScript, HTML, CSS

Tools & IDEs: PyCharm, VS Code, Jupyter Notebook

EXPERIENCE

Python Django Internship

Kathmandu, Nepal

Yuwasoft Technologies

Aug, 2024 - Nov, 2024

- Built key features for **KishanCare**, a dairy management system, including billing, purchase returns, and invoices.
- Created **general ledger** and **trial balance** modules for better financial tracking.
- Enhanced the **user interface** to improve transaction speed and ease of use.

Machine Learning Internship

Kolkata, West Bengal, India

CodSoft

Jun, 2024 - Jul, 2024

- Developed predictive models, achieving up to **90% accuracy** in applications like **Movie genre Classification, Credit Card Fraud Detection, and Customer Churn Prediction.**
- Employed Python libraries (**scikit-learn, pandas, nltk**) for data preprocessing, feature engineering, and model evaluation to optimize performance.
- Collaborated with cross-functional teams, enhancing agile development and communication skills.

EDUCATION

Bachelor in Computer Application

Patan Dhoka, Lalitpur

Patan Multiple Campus

Nov, 2019 - Present

Computer Science

Koteshwor, Kathmandu

Grammar Public Secondary School/College

Jun, 2017 - May, 2019

PROJECTS

Facial Attendance System

Developed a facial recognition attendance system using OpenCV and KNN with a Streamlit-based visualization dashboard.

<https://github.com/Bibekbb/face-recognition-attendance>

Movie Recommendation System

Created a content-based movie recommender integrated with Movie-DB API for interactive user experiences.

<https://github.com/Bibekbb/movie-recommender-system>

Rainfall Prediction

Created a rainfall prediction model using Linear Regression, SVM, and CatBoost, achieving an accuracy rate of 88% on test data.
<https://github.com/Bibekbb/Rainfall-Prediction>

Trend Rush - Fashion Recommendation System

Designed a personalized clothing recommendation platform using content-based filtering and Django.
<https://github.com/Bibekbb/Fashion-Trend>

Insurance Premium Prediction

Developed a Django app to estimate insurance premiums using Random Forest Regressor.
<https://github.com/Bibekbb/Insurance-Premium-Prediction>

Mero Sahayatri - A Vehicle Path Finder

Created a public transportation route-finding application with responsive UI using PHP and MySQL.
<https://github.com/Bibekbb/Mero-Sahayatri>

Pun Hotel

Built a static website to showcase hotel amenities using HTML, CSS, and JavaScript.
<https://github.com/Bibekbb/Pun-Hotel>

ACHIEVEMENTS

AI Researcher with Generative AI Proficiency

Completed "What Is Generative AI?" course by Pinar Seyhan Demirdag, enhancing expertise in generative AI (LinkedInCertificate).

TRAINING /CERTIFICATIONS

AWS Academy Graduate - AWS Academy Cloud Foundations	2024
<i>Amazon Web Services (AWS)</i>	

LANG UAG E

Nepali, English, Hindi