MILAN DANGI

ML Engineer

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Github
LinkedIn

A highly motivated and self-driven Machine Learning enthusiast with a strong foundation in computer science, mathematics, and statistics. Hands-on experience in developing end-to-end ML solutions, model deployment, and data-driven application development. Eager to contribute, learn, and grow in a dynamic AI/ML environment.

EDUCATION

- **Bachelor of Science in Computer Science and Information Technology(TU)** ***Expected in2025***
  Ambikeshwari Campus, Dang *Exp. Percent.: 82%*

- **High School** **2018-2020**
  Gorkha Secondary School, Dang *GPA: 3.45*

SKILLS

- **Languages:** Python, DBMS(MySQL, SQL-lite)
- **Tools and platforms:** Git/Github, AWS, Docker,
- **Libraries and Framework:** NumPy, Pandas, scikit-learn, TensorFlow, Matplotlib, Seaborn, Flask
- **Tools & Platforms:** Git/GitHub, Docker, AWS, Streamlit
- **Core Areas:** Machine Learning, Deep Learning, NLP, Data Analysis, Model Deployment

PERSONAL PROJECT

Student Performance Analysis (End-to-End ML Project)

Python, Scikit-learn, Flask, Docker, AWS EC2

- Built and deployed a full ML pipeline to predict student performance.
- Applied EDA, feature engineering, and trained multiple regression models (Linear Regression, KNN, Random Forest, AdaBoost, Gradient Boosting).
- Integrated hyperparameter tuning and automated model selection logic.
- Developed a Flask-based web app and deployed it using Docker on AWS EC2.
- Added custom logging for monitoring and error tracking across the pipeline.

Emotion Based Music Recommendation System

Python, TensorFlow, OpenCV, Streamlit

- Developed a CNN-based facial emotion recognition model (60% accuracy on imbalanced multi-class data).
- Mapped predicted emotions to mood-specific songs using Spotify API.
- Built a UI for real-time user interaction via Streamlit.

Medical Recommendation System
Python, Flask

- Implemented ML models (SVM, KNN, GradientBoosting, RandomForest, Naive Bayes) with 99% accuracy.
- Created a recommendation engine for disease diagnosis, precautions, and treatment guidance.

Movies Recommendation System
Python, Streamlit

- Developed a content-based recommendation engine using cosine similarity.
- Suggested top 5 similar movies based on genre and descriptions.

CERTIFICATIONS AND ACHIEVEMENT

- **Data Analytics Essentials – Cisco Networking Academy**
- Regular contributor to open-source projects and ML communities

ONGOING EDUCATION AND COURSES

Data Science & MLOps (Udemy)
Currently Enrolled - Going to Finished

- Gaining hands-on expertise in MLOps principles, including model deployment, monitoring, and scaling.
- Learning end-to-end workflows in data science, including data preprocessing, model training, and performance tuning.

Advanced Machine Learning Concepts (DataCamp)
Currently Learning

- Diving into advanced topics like Large Language Models (LLMs) and deep learning architectures.
- Completing hands-on projects to implement cutting-edge ML techniques and models.