MILAN DANGI

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PROFILE

Machine Learning enthusiast with a strong background in computer science, mathematics, and data science. Skilled in supervised & unsupervised learning, NLP, deep learning, and EDA. Experienced in building, training, and deploying ML models with practical knowledge in Flask, Docker, and AWS. Strong problem-solving skills and ability to communicate complex technical concepts clearly.

EDUCATION

- **Bachelor of Science in Computer Science and Information Technology(TU)** ***2025***
  Ambikeshwari Campus, Dang *. Percent.: 81.5%*
- **High School** **2020**
  Gorkha Secondary School, Dang *GPA: 3.45*

TECHNICAL SKILLS

- **Languages & Tools:** Python, MySQL, Git, Docker, AWS
- **ML & Data Science:** Supervised/Unsupervised Learning, Deep Learning, NLP, EDA
- **Libraries:** TensorFlow, Pytorch, scikit-learn, Pandas, Matplotlib, Seaborn, Flask

EXPERIENCE

Machine Learning Intern | Artova Solutions Company
Healthcare Solutions Prototype Development | 3 Months

- Annotated and analyzed healthcare data (EDA) for model development.
- Built a healthcare **chatbot prototype** for patient interaction and **disease prediction model** using stacked algorithms.
- Set up **CI/CD pipelines** and deployed models on **AWS** for testing and integration.

PERSONAL PROJECT

Student Performance Analysis
Python, scikit-learn, Flask, Docker, AWS

- Developed a full ML pipeline for predicting student performance using regression models with 85% accuracy on average. .
- Deployed the model on **AWS EC2** with Docker and integrated logging for monitoring.

Network Security (Phishing Detection)
Python, FastAPI, Docker, AWS

- Built an automated ML pipeline for phishing detection, using models like Random Forest and AdaBoost with 97% accuracy on test data. .
- Deployed using **FastAPI** and automated deployment with **GitHub Actions**.

Emotion-Based Music Recommendation
Python, TensorFlow, OpenCV, Streamlit

- Developed a CNN model (65% accuracy) for facial emotion recognition and linked emotions to mood-based song recommendations.

CERTIFICATIONS AND ACHIEVEMENT

- **Data Analytics Essentials – Cisco Networking Academy**
- **Associate Data Scientist - DataCamp**