Navin Gyawali

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EDUCATION

Kathmandu University
Bachelor Technology in Artificial Intelligence ; CGPA : ~ 3.75

Dhulikhel, Nepal
Dec2021 - Dec 2025

Manimukunda College
+2Science;GPA : 3.2

Butwal, Nepal
Oct2018 - Feb 2021

Prabhat English Boarding School
LKG - SEE(10);GPA : 3.7

Murgiyal, Nepal
2006 - Sep 2018

SKILLS SUMMARY

- **Languages:** Python, SQL
- **Frameworks:** Pandas, Numpy, Scikit-Learn, Matplotlib,Tensorflow
- **Tools:** PowerBI, Excel, PowerPoint, Tableau, MySQL, SQLite
- **Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code
- **Soft Skills:** Report Building, People Management

WORK EXPERIENCE

Machine Learning Intern | Prodigy Info Tech | Link   **1st December 2023 - 1stJanuary 2024**

- Acquired and applied skills in data analysis, encompassing data cleaning, descriptive statistics, and exploratory data analysis (EDA).
- Developed proficiency in creating data visualizations to communicate insights effectively.
- Gained hands-on experience with machine learning tasks, specifically focusing on regression and clustering techniques.
- Successfully completed a one-month internship, contributing to professional growth and enhancing capabilities for the workspace.
- Demonstrated ability to quickly learn and apply new technical skills in a professional environment.

PROJECTS

June 2025- July 2025

Nepali Language Translation | Fine-Tuning M2M100 on Nepali**|Link**

- Fine-tuned Meta's m2m100_418M model on English ⇌ Nepali dataset to improve translation quality in low-resource scenarios.
- Achieved high semantic accuracy (BERTSscore > 0.89) and improved handling of medium/hard sentence complexity.

GyanPath | The chatbot as a guide to knowledge from the Bhagavad Gita. **|Link**   **December 2024 - January 2025**

- Developed a RAG-based Q&A system using LangChain and Google Generative AI to deliver accurate, context-aware answers from the Bhagavad Gita.
- Processed and embedded textual data (via PyPDFLoader) and optimized retrieval mechanisms for precise knowledge integration.
- Built a Gradio Interface to enable intuitive, natural language interactions, making the Bhagavad Gita's teachings accessible to users.

AI-Enabled Animal Detection for Social Security and Livelihood | YOLO | Link   **March 2023 - July 2023**

- Fine-tuned YOLOv8 on a custom animal dataset (elephants, cows, buffaloes, etc.) using transfer learning, achieving high detection accuracy for social security applications.
- Processed annotated YOLO-format data and leveraged PyTorch/Ultralytics frameworks to optimize model performance and training efficiency.

C-ART | Converts the Image into a Cartoonize form | **Link**   **August 2022 - November 2022**

- Built an Encoder-Decoder CNN model in TensorFlow to automatically transform real images into stylized cartoons, trained on 10,000+ image pairs from the Comic Faces dataset.
- Achieved high-quality artistic transformations with smooth edges and reduced color depth, demonstrating effective feature extraction and image generation.

CERTIFICATES

Election Data Analysis(SkillEcted)) | Certificate   **November 2024**

- Learned advanced techniques in election data analysis, including statistical modeling, trend ivisualization for actionable insights.
- Mastered data collection, cleaning, and validation processes to ensure accuracy and reliability in election-related datasets.

AI Workshop(KUAIC)| Certificate   **November 2024**

- Organized & facilitated AI workshops by guiding participants through fundamental concepts, machine learning models, and practical applications to enhance technical understanding.
- Coordinated event logistics to ensure smooth workshop execution while helping students overcome technical challenges during practical exercises **.**

AWARDS

KU-AI Crusade   **December 2024**

Third Runner-up at AI Crusade for building a dynamic search system.Designed a Retrieval-Augmented Generation (RAG) pipeline with real-time web-scraped data.

KEC Hack-a-LITE   **February 2024**

Secured 1st place at *KEC Hack-a-LITE 2024* by developing an AI-powered wildlife monitoring system, leveraging cutting-edge technology to drive innovation in conservation efforts.