



CONTACT

+9779864851923

bibek.rawal.588@gmail.com

Kathmandu, Nepal

bibekrawal.com.np

github.com/BibekRawal5

EDUCATION

2022-2026

TRIBHUVAN UNIVERSITY

- BSc. Computer Science and Information Technology
- Grade: 83.64 %

EXTRA COURSES

- DeepLearning.AI TensorFlow Developer Specialization
- More at : bibekrawal.com.np/#extra

SKILLS

- Python : Pytorch, Tensorflow, Django, Flask, Numpy, Pandas
- Agentic: OpenAI, Gemini, LLM fine tuning, Custom multi modal generation
- ML/DL: HF, TensorFlow, Model training, eval and deployment
- Databases Management, Data Science, and Data Engineering
- Time Management
- Effective Communication
- Critical Thinking

LANGUAGES

- Nepali (Native)
- English (Fluent)
- Hindi (Fluent)

BIBEK RAWAL

AI/ML Engineer

PROFILE

As a recent Computer Science graduate and experienced AI professional eager to learn and contribute across different areas of Artificial Intelligence, I bring a strong academic foundation coupled with practical experience in AI, machine learning, software development, and automation. My passion lies in leveraging emerging technologies to solve real-world problems, with a keen interest in AI-driven solutions, data science, intelligent systems, natural language processing, and the development of innovative and impactful applications.

EXPERIENCE

- Associate AI Engineer, Frost Digital Ventures (CAS Techno Sales)** 10/2025-Present
 - Engineered end-to-end AI/ML solutions spanning system design, model integration, automation, and deployment.
 - Developed and optimized Frost & Sullivan's AI Growth Coach, improving system efficiency and reducing operational costs by 10%.
 - Architected and built Flow, an AI automation platform for designing, orchestrating, and deploying intelligent workflows.
 - Built multilingual AI solutions for diverse applications, with a focus on language-aware processing and automation.
- AI Tech, GaoTek** 06/2024-08/2024
 - Worked on RAG pipeline to simplify customer interactions.
 - Developed SEO evaluation tool for given link and keywords.
- Data Specialist, CloudFactory** 12/2024-10/2025
 - Performed high-quality data annotation and 3D modeling across multiple computer vision and geospatial AI projects.
 - Made significant contributions to Nearmap's 3D roof detection project, supporting the development and refinement of large-scale geospatial datasets.
 - Consistently exceeded project-defined quality and productivity SLAs, maintaining high accuracy while delivering ahead of targets.
 - Led and participated in project discussions, and review sessions ensuring alignment on requirements, quality standards, and deliverables.

PROJECTS

- Customer Support RAG [LINK]** 07/2025-08/2025

Created a pipeline of retrieval and generation to handle customer and employee queries using internal documents.

 - Created API for document ingestion and chatting.
 - Handled Session memory using redis.
 - Implemented and tested 2 chunking and searching strategies.
 - Integrated Gemini for generation and docerized the project.
- NLTTA [LINK]** 03/2025-07/2025

Nepali Language Translation and Transliteration Automation

 - Evaluated and approved by Tribhuvan University and internal examiners; awarded 98/100 and ranked first in the batch. Research paper being prepared for peer review.
 - Fine tuned mBART to handle romanized nepali to english translation.
 - Automated Transliteration if input in Devanagiri script.
 - Developed backend API service for the model using Django.
 - Implemented the model for retrieval of relevant news/documents.
 - Implemented Custom BM25 algorithm.
- Single Image Super Resolution using GAN [LINK]** 04/2024 - 06/2024

Generating a High-Resolution image out of a Low-Resolution input (based on SRGAN paper).

 - Re-implementation of model proposed by SRGAN paper.
 - Understanding Generative Adversarial Network
 - Importance and Use of Super Resolution
 - bibekrawal.com.np/SRGAN.html

REFERENCE

Mr. Sushant Poudel

Bhaktapur Multiple Campus/ Co-ordinator / Lecturer

Phone: 9851170509

Mr. Binayak Pokhrel

Lead Data Scientist, Frost Digital Ventures

Email: binayak.pokhrel@frostdigi.ai

Phone: +977 9846609574