



Bibek Rawal

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• WORK EXPERIENCE

2025/11/17 - CURRENT - KATHMANDU, NEPAL

ASSOCIATE AI ENGINEER FROST DIGITAL VENTURES (CAS TECHNO SALES PVT. LTD.)

- Design and implementation of end to end AI/ML solutions
- Worked on Frost & Sullivan ai-growthcoach product
- Reduced ai-growthcoach operational cost by 10%
- Built a fully working automation platform called Flow (<https://flow.castotal.com/>)
- Built multiple multilingual solutions for different types of applications

Website: <https://www.frostdigi.ai/>

2025/01/07 - 2025/09/30 - KATHMANDU, NEPAL

DATA SPECIALIST CLOUDFACTORY

- Worked as Data Annotator and 3D Modeling on different projects.
- Contributed heavily on NearMap 3D roof detection project.
- Achieved well above dedicated SLAs.
- Handled discussions and meetings and review sessions

Link: https://drive.google.com/file/d/1i1R2XCMxcPEAyTC-EUiYjqoG2fvCaUGj/view?usp=drive_link

• PROJECTS

CURRENT

Flow

Flow turns prompts into a studio-shaped experience with guardrails, live execution, and a visual rhythm that makes the first screen feel intentional.

Move from idea to automatic flows in one clean run.

Link <https://flow.castotal.com/>

NLTTA: Nepali Language Transliteration and Translation System

A linguistic data science initiative that bridges the communication gap for Romanized Nepali speakers. By applying advanced natural language processing to messy, code-mixed data, we developed a hybrid system that enables effective English news search through a robust combination of neural translation and probabilistic information retrieval.

Link <https://bibekrawal.com.np/projects/nlta>

Super Resolution GAN

Write here the description of a faithful implementation of the SRGAN paper to upscale low-resolution images into highly detailed high-resolution images, moving beyond standard interpolation techniques.

Link <https://bibekrawal.com.np/projects/srgan>

Vegetation Disease Detector

A deep learning model using Convolutional Neural Networks (CNNs) to detect and classify diseases in vegetation based on leaf images, achieving 98% training accuracy.

Link <https://bibekrawal.com.np/projects/vdd>

● **EDUCATION & TRAINING**

2022/12/01 - 2026/01/09 - BHAKTAPUR, NEPAL

BSC. COMPUTER SCIENCE AND INFORMATION TECHNOLOGY - TRIBHUVAN UNIVERSITY

Final grade: 83.6% | Level in EQF: 6

2023/03/02 - 2023/04/02

TENSORFLOW DEVELOPER SPECIALIZATION - DEEPLARNING.AI (COURSERA)

Link <https://www.coursera.org/account/accomplishments/specialization/certificate/NC9L8NRCYM55>

2022/12/14 - 2023/01/14

INTRODUCTION TO TENSORFLOW FOR AI, ML, AND DL - DEEPLARNING.AI (COURSERA)

Link <https://www.coursera.org/account/accomplishments/certificate/R94HFPGDL9HU>

2023/04/15 - 2023/05/15

STRUCTURING MACHINE LEARNING PROJECTS- DEEPLARNING.AI (COURSERA)

Link <https://www.coursera.org/account/accomplishments/certificate/5CAB9EYMAKUN>

● **SKILLS**

Programming: C, Python, Java, X86 ASM, Powershell, Bash, Javascript, PHP, dotNET | Python (computer programming) | Machine learning | Deep Learning | LLMs, RAGs | Data Science | LangChain, LangGraph | Tensorflow, Keras | Pytorch, Transformers | Linguistic Data Science

● **LANGUAGE SKILLS**

Mother tongue(s): **NEPALI**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user