

MOHAN BIKRAM K C

Pokhara, Nepal

kcmohan64@gmail.com

linkedin.com/in/mohan-kc | github.com/kayceem | kcmohan.info.np

EDUCATION

Bachelor of Computer Engineering

2021 – 2025

Gandaki College of Engineering and Science, Pokhara University, Nepal

GPA: 3.64 / 4.0

RESEARCH INTERESTS

Natural Language Processing, Deep Learning, Large Language Models, Trustworthy AI, Computer Vision, Multimodal Learning

PROFESSIONAL EXPERIENCE

Freelance Developer

May 2025 – Present

- Developing AI solutions, backend systems, and automation scripts for clients
- Specializing in automation and scripting

Junior ML Developer

July 2024 – September 2025

Bichitras Group

- Developed modules for live engagement and performance analysis
- Developed chat analysis and spam detection models for real-time live-streaming moderation
- Designed backend APIs and streaming logic for the live streaming apps

Python Developer Intern

February 2024 – May 2024

Idea2MVP

- Contributed to backend development using Python frameworks
- Integrated Generative AI capabilities into existing product pipelines
- Developed automation scripts to streamline internal workflows

PUBLICATIONS

1. **K C, M. B.**, Adhikari, S., & Thapa, T. B. (2025). *Integrating Automatic Speech Recognition and Emotion Detection: A Conformer-XGBoost Framework for Human-Centered Applications*. *Journal of Artificial Intelligence and Capsule Networks* [\[Link\]](#)
2. **K C, M. B.**, Kaundinya, A. S., Adhikari, P., & Adhikari, S. *Abstractive Summarization of News Articles Using BART*. [\[Preprint\]](#)

CONFERENCE PRESENTATIONS

- **K C, M. B.**, Kaundinya, A. S., Adhikari, P., & Adhikari, S. (2025). *Abstractive Summarization of News Articles Using BART*. *Paper presented at The 1st International Conference on Emerging Trends in Engineering and Technology (ICET-2025)*, Pokhara, Nepal, November 14–15.

AWARDS & FELLOWSHIPS

Merit-Based Scholarship	2021 – 2025
<i>Awarded for 6 semesters, Gandaki College of Engineering and Science</i>	
Fuse AI Fellowship	2024
<i>Fuse AI</i>	
Winner, Coding Competition – IT Expo 2024	2024
<i>Gandaki College of Engineering and Science</i>	
Runner-up, Project Showcase – IT Expo 2023	2023
<i>Gandaki College of Engineering and Science</i>	

TECHNICAL SKILLS

Machine Learning & AI: Natural Language Processing, Computer Vision, Deep Learning (PyTorch), RAG-based Information Retrieval

Programming Languages: Python, C/C++, SQL

Backend Development: Django, FastAPI, Celery, Redis, PostgreSQL

Tools & DevOps: Git, Docker, Bash, Selenium, Playwright, CI/CD Pipelines

SERVICE & ACTIVITIES

IT Club Member	June 2022 – August 2024
<i>Gandaki College of Engineering and Science</i>	

PROJECTS

Automatic Speech Recognition: Conformer-based ASR model trained on Mozilla Common Voice dataset

Proctoring AI: Exam monitoring system with face, book, and mobile detection using DeepFace, gaze tracking, and fine-tuned YOLOv8

Facial Emotion Detection: Real-time emotion recognition system using DeepFace library

Mediscan: Medical diagnosis prediction system using Random Forest and RNN models

MeroShare Automation: Automated IPO application and EDIS transactions using Playwright

NEPSE Trading Automation: Automated stock trading system for buying and selling at specified price ranges

RAG-based Customer Support: Retrieval-Augmented Generation chatbot for customer support automation

Fine-Tuning BART for News Summarization: BART model fine-tuned on XSum and CNN/DailyMail datasets for abstractive summarization

Online Learning Management System: Full-stack e-learning platform built with Django and React