

Samir Kharel

Machine Learning
Engineer

CONTACT

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ACHIEVEMENTS

1st Runner up at BPC Hackfest (National)

Me and my team has secured the position of 1st Runner up at the BPC Hackfest, where we build a Elephant detection and alert system using the Machine learning and IOT.

2nd Runner up in Codefest (National)

Me and my team has build a Road accident detection and alert system using the machine learning.

Nasa Space app challenge.

It was just another Hackathon organized by NRCC I have participated it was the great learning experience.

Winner of provincial Hackathon (Koshi province)

we (mechi mavericks) have won the province level Hackathon organized by code fest; we are the winner of the province 1 (koshi)

MIT QHack (International)

It is the Quantum computing Hackathon organized at Mit, I have participated in it which was the great opportunity for me to explore the Quantum technology.

SUMMARY

I am Samir kharel from Jhapa, Nepal having the keen interest in the Artificial intelligence, machine learning and Quantum computer, seeking to exploit my expertise to contribute to the real-world project and research activities in the field of AI/ML and quantum technology.

EDUCATION

Bachelor in computer application (BCA)

Mechi multiple campus / Bhadrapur, Jhapa / October, 2022 - Present
I'm currently enrolled in Fourth semester at Mechi multiple campus.

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Kanchanjunga Namuna College / Birthamode, Jhapa / May, 2019 - June, 2021

High school

Kachan kawal vidya mandir / Kachan kawal, Jhapa

TRAINING/CERTIFICATIONS

Quantum Computing and programming

QNepal , 2023

it was the diploma level course organized by QNepal on the Quantum computing and programming.

Open cv Bootcamp

OpenCV University , 2023

I have been provided the certificate of excellence by open cv university in the Open Cv Bootcamp where I score the grade of 98%.

Generative AI

Coursera , 2023

I have taken this course about the understanding of Generative AI by Andrew ng.

PROJECTS INVOLVED

Road Sense

It is the accident detection and alert system.

<https://github.com/sameer-kharel/roadsense>

Nigrani

The project uses an Elephant Detection System with CCTV cameras placed around village edges to monitor areas prone to elephant crossings. Raspberry Pi cameras with a specialized detection model enhance this system.

<https://github.com/sameer-kharel/nigrani>

SKILLS

- Machine Learning
- Deep Learning
- Computer vision
- Tensorflow
- Scikit-learn
- Open cv
- Pandas
- Numpy
- Matplotlib
- Qiskit
- Python
- Flask
- Streamlit
- Git and Github
- Jupyter Notebooks
- Anaconda and conda venv
- Docker
- yolo
- React Native
- Godot and GDScript

LANGUAGE

Nepali - Expert

English - Expert

REFERENCES

Krishna prasad Acharya

Mechi multiple campus / Director
of BCA

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Real time rock paper scissors game

I used the OpenCV for the computer vision game using the hand gestures you can see in the link below.

https://www.linkedin.com/posts/shameer-kharel_computervision-interactivegaming-rockpaperscissors-act

KrisiConnect

Krisi Connect is an agricultural platform linking farmers, experts, and buyers. It offers real-time market prices, weather updates, expert advice, plant disease detection, and a direct marketplace for fair pricing. Integrated IoT sensors monitor soil health and moisture for data-driven farming, boosting yields. The app supports Nepali and English, includes a community space, and promotes sustainable practices.

<https://github.com/sameer-kharel/KrisiConnect>

Tranify

A fitness mobile app made in React native

https://play.google.com/store/apps/details?id=com.samir_kharel.trainify

Predicting the sale price of the Bulldozers

Here I build a regression model that estimates the value of bulldozers.

<https://github.com/sameer-kharel/Blue-Book-for-Bulldozers>

Dog Breed Classification

The project was to identify the breed of Dog by capturing the photo of the dog.

<https://github.com/sameer-kharel/Dog-Breed-identification-Deep-Learning-model>

Food Vision

This project is to build a model which consists of 101 food categories.

https://github.com/sameer-kharel/Food_vision_101

Vehicle Recognition

The project was to identify the vehicles.

https://github.com/sameer-kharel/vehicle_Recognition

Heart disease classification

Predicting heart disease using machine learning

<https://github.com/sameer-kharel/Heart-Disease-Classification-Project>

Chemical compounds

The project was to predict the solubility of chemical compounds.

<https://github.com/sameer-kharel/A-ml-model>