

FIROJ PAUDEL

Student | AI Enthusiast

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EDUCATION

MADAN BHANDARI MEMORIAL COLLEGE

Bachelor's of Science in Computer
Science and Information Technology
2022- 2026 (Present)

KATHMANDU MODEL SECONDARY SCHOOL

+2 Science: Stream Biology
2019-2020

SKILLS

→ Python
→ CUDA C/C++
→ SQL
→ Git, GitHub
→ Pandas, NumPy
→ TensorFlow, PyTorch
→ Tableau, Matplotlib
→ C/ C++
→ HTML/ CSS

ABOUT ME

I am Firoj Paudel, a current undergrad student in Computer Science and Information Technology with a passion for AI and Machine Learning. I have explored the proficient use of TensorFlow, PyTorch, and NumPy in implementing machine learning models. Currently, I'm challenging myself by learning CUDA C/C++ to understand GPU programming for accelerated computing. I am dedicated to exploring AI's transformative potential and consistently seek opportunities to innovate and expand my expertise in this dynamic field through daily learning and exploration.

PROJECTS

BRAIN TUMOR DETECTION USING MRI IMAGES

I developed a CNN model using PyTorch to classify MRI images for brain tumor detection, achieving over 90% accuracy. I handled data preprocessing, model training, and visualized convolutional filter feature maps as part of this project.

FIRE DETECTION SYSTEM USING COMPUTER VISION

As part of a Hackathon project, our team developed a system for forest fire and gunshot detection. Our project was awarded the Best Technology category award at BPC Hackfest. Subsequently, it won the Project Showcase at TechConclave2024 organized by Code for Change.

FINETUNED CHATBOT

A streamlit app leveraging "facebook/bart-base" model finetuned on the "Bitext-customer-support-llm-chatbot-training-dataset".

ABSTRACTIFY

A Flask app that uses a fine-tuned BART model (trained on arXiv datasets) to summarize research papers. The goal was to create a simple, easy-to-use tool for researchers to get concise summaries of lengthy papers.

COMMUNITY INVOLVEMENT

- Team Manager in Data Nexus 2024 - a free data fellowship program offered by Datacamp in collaboration with Code for Change.
- Volunteer for MBMC IdeaX 2023.
- General Manager in MBMC IdeaX 2024
- Active member of tech club at MBMC.

CERTIFICATIONS

DATA CAMP: ASSOCIATE DATASCIENTIST CERTIFICATION

2024
DataCamp

DATA CAMP: ML SCIENTIST IN PYTHON CERTIFICATION

2024
DataCamp

CS50PYTHON

2024
Harvard University

MACHINE LEARNING SPECIALIZATION

2024
DeepLearning.AI, Stanford University

GOOGLE DATA ANALYTICS

2024
Google

RESPONSIVE WEB DESIGN CERTIFICATION

2022
freeCodeCamp