SANKALPA RIJAL

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OBJECTIVE

2+ years of experience in Machine Learning Projects, seeking Machine Learning internships.

EDUCATION

Bachelors in Computer Engineering, Tribhuwan University

May 2023

SKILLS

Technical Skills Artificial Intelligence, Machine Learning, Data-mining

Familiar Envs. Python, Matlab, C++, React, Next.js

Soft Skills Adaptability, Time Management, Communication, Flexibility

EXPERIENCE

Co-Instructor 2020

Diango: Introduction and Basics

IOE, Thapathali Campus

• Ran a month long Django workshop; introducing basics of Python, Basics of HTML and CSS and the Django framework.

PROJECTS

Monaural Multi-speaker Speech Separation. A novel approach to change the use of attention based *Transformers* in single-channel speech separation. This project involved reducing the complexity of the speech separation Machine Learning models. We implemented the new *Perceiver* architecture in developing the speech-separation model.

Handwritten Devanagari Character Recognition Using Deep Neural Networks. Built a machine learning model for recognizing the handwritten Devanagari characters. Prepared novel data-set and developed a CNN model with high accuracy.

Fitness Flow. Built a web app that tracks user's daily routines, habits they want to keep up with and their sleep routines too.

EXTRA-CURRICULAR ACTIVITIES

- Occasional blog posts.
- Avid anthropology and linguistics learner.

CERTIFICATIONS AND COURSES

- Machine Learning. Stanford Online: Coursera
- Machine Learning Specialization. DeepLearning.AI & Stanford Online: Coursera
 - Supervised ML: Regression and Classification.
 - Advanced Learning Algorithms.
 - Unsupervised Learning, Recommenders, Reinforcement Learning.