

SANKALPA RIJAL

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OBJECTIVE

2+ years of experience in Machine Learning Projects, actively pursuing/making opportunities in AI/ML.

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

Django: 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 ethics, anthropology and linguistics learner.

CERTIFICATIONS AND COURSES

- **Machine Learning.** [Stanford Online](#) : [Coursera](#)
- **Sequence Models.** [DeepLearning.AI](#) : [Coursera](#)
- **Machine Learning Specialization.** [DeepLearning.AI](#) & [Stanford Online](#) : [Coursera](#)
 - [Supervised ML: Regression and Classification.](#)
 - [Advanced Learning Algorithms.](#)
 - [Unsupervised Learning, Recommenders, Reinforcement Learning.](#)
- **Game Theory.** [Stanford Online](#) & [The University of British Columbia](#) : [Coursera](#)