

# SANKALPA RIJAL

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## OBJECTIVE

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

## EDUCATION

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Bachelors in Computer Engineering, Tribhuwan University

May 2023

## SKILLS

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Technical Skills	Artificial Intelligence, Machine Learning, Data-mining
Familiar Envs.	Python, Matlab, C++, React, Next.js
Soft Skills	Adaptability, Time Management, Communication, Flexibility

## EXPERIENCE

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### 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

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**[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 models yet maintain the results.

**[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

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- Occasional [blog posts](#).
- Avid anthropology and linguistics learner.

## CERTIFICATIONS AND COURSES

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- Machine Learning. [Stanford Online](#) : [Coursera](#)
- Supervised ML: Regression and Classification. [DeepLearning.AI](#) & [Stanford Online](#) : [Coursera](#)