

# SAROJ PRASAD MAINALI

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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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<b>Technical Skills</b>	Artificial Intelligence, Machine Learning, Data-mining, Animation, Web development, App Development, Game Development
<b>Familiar Envs.</b>	Python, Matlab, C++, React, Next.js, js, Dart
<b>Soft Skills</b>	Adaptability, Problem-solving, Time Management, Communication, Flexibility, Creativity

## 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.

**Animator** 2021  
Animation and Script Writer *Dulari Bhagwat Group*

- worked for four months during Lockdown; developed the knowledge for animation using After effect

## 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.

**Slaabur.** Built a website would allow users to select a specific year, and then display a random yet interesting event from that year.

**BCT app.** Built a mobile app using flutter that keeps record of students of BCT batch 2075 of Thapathali.

## EXTRA-CURRICULAR ACTIVITIES

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- [LeetCode](#).
- Gamer.

## CERTIFICATIONS AND COURSES

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- **Python Programming: A Concise Introduction** [Wesleyan University](#) : Coursera
- **Supervised ML: Regression and Classification.** [DeepLearning.AI & Stanford Online](#) : Coursera