

# Akshey Sigdel

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## PROFILE

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I am an inquisitive Computer Engineering Undergrad with avid interest in AI/ML and Data Science with experience of 13 months in the industry. My undergrad research area primarily focuses on computer vision and application for Disaster assessment. Further, I aim to leverage Machine Learning techniques for social good applications that can have a wide societal impact.

## WORK EXPERIENCE

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### COTIVITI NEPAL Pvt. Ltd. | Machine Learning - INTERN

June 2021- Oct 2021

- Built a predictive model to forecast sales and revenue of Fortune 1500 Health Care company.
- Developed a recommendation engine prototype for an e-commerce site.

### UnderGrad Lab Assistant

March 2019- Sept 2019

- Conducted OOP lab for 1st & 2nd year class for a whole semester.
- Evaluated their performance and also maintained lab computers.

## EDUCATION

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### Institute of Engineering-ERC, Dharan | Bachelor in Computer Engineering

2017-2021

- GPA(percentile): 75% (Expected)
- Vice-President, ACES-ERC(Association of Computer Engineering Student);
- Five Time Semester Scholar

## PROJECTS

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### Disaster Assessment using Satellite Imagery | Undergraduate Thesis

A research project that utilizes computer vision and deep learning techniques like semantic segmentation and image classification to identify the regions in satellite images that are affected by natural disasters like floods.

### Room Finder Application | Undergraduate Minor Project

A Flutter based mobile application that allows for finding available rooms and apartments for rent near any local.

### Traffic Monitoring Platform | KU HackFest

A Computer Vision based software to classify and count the total number of Nepali vehicles in the road and estimate the road occupancy.

## SKILLS

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**Language:** Python, R, SQL, C++, C

**Libraries:** NumPy, Pandas, Matplotlib, Tensorflow

**Web App Development:** HTML, CSS, Javascript, React, NodeJS

**Mobile Application Development:** Flutter, Dart

**Database:** MySQL, MongoDB

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