

Sandeep Bhusal

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Career Objective

Computer Engineering undergraduate dedicated to the fields of Data Science and Machine Learning. Combines analytical thinking with strong programming skills in Python to execute end-to-end data projects. Seeking an opportunity to apply academic research and technical capabilities to solve real-world challenges within a technology-driven organization.

Education

Bachelor in Computer Engineering 2022 – Present

Advanced College of Engineering and Management,
Institute of Engineering,
Kalanki, Kathmandu

School Leaving Certificate (SLC) 2021

Kathmandu Model Secondary School,
National Examinations Board,
Baghbazar, Kathmandu

Secondary Education Examination (SEE) 2019

Tulasi Awasiya Ma. Vi.,
National Examinations Board,
Tulsipur, Dang

Technical Skills

Programming Languages C, C++, Python

Web Technologies HTML, CSS

Database MySQL

Data Science & ML Machine Learning, Deep Learning, NLP

Soft Skills

Communication, Leadership, Problem Solving, Adaptability, Interpersonal Skills, Critical Thinking, Time Management

Academic Projects

Duplicate Question Pair Detection Using Siamese MaLSTM

Programming Language: Python

- Developed a semantic similarity system to identify duplicate questions using the Quora Question Pairs dataset.
- Implemented a Siamese Manhattan LSTM (MaLSTM) architecture with two identical LSTM subnetworks.
- Integrated pre-trained word embeddings (Word2Vec) to enhance semantic understanding.
- Used Manhattan distance (L1 norm) to compute semantic similarity between sentence representations.
- Achieved approximately 77% accuracy in detecting semantically equivalent question pairs.

Experience

Intern – Load Dispatch Centre (LDC)

Dec 22, 2025 – Present

Syuchatar, Kathmandu

- Gaining practical exposure to industry-level operational workflows.
- Supporting data analysis.

Interests and Hobbies

Photography, Cooking, Designing