

Prajesh Shrestha

Deep Learning enthusiast with a focus on Image Processing and Natural Language Processing.

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An avid problem solver with relentless curiosity about the inner workings of AI models and techniques, and a dedicated individual advancing in the field of Deep Learning and Image Processing.

EDUCATION

BE in Computer Engineering

Kathmandu

Thapathali Engineering Campus, IOE

Jan, 2020 - Present

Running (8th Semester)

+2 Science

Biratnagar

Shikshadeep H.S. School

Jul, 2017 - May, 2019

Academic Marks - CGPA (3.82)

PROJECTS

Crossword Solver - A Neural Transformer-based Approach (Major Project)

Developed a DistilBERT-based Bi-Encoder model, alongside a Dense Answer Retrieval system, required for solving a crossword clue-answer model.

<https://github.com/kaledai069/Crossword-Solver-A-Neural-Transformer-based-Approach>

Automatic Identification of Monuments in Images using Single-Shot Detector (Minor Project)

Crafted lightweight models, specifically SSD-MobileNetV2 and YOLO, for detecting monumental objects using Tensorflow and Pytorch

<https://github.com/kaledai069/Monument-Detection-using-CNN>

Data Modeling and Data Analysis

Explored data mining algorithms on various datasets.

<https://github.com/kaledai069/Modeling-Data-with-Data-Mining-Algorithms>

PROBookie - A Book Review and Rating Platform for Authors and Readers

Managed both frontend and backend development using Django framework, in addition to JS and Axios

<https://github.com/kaledai069/bookies>

A* - Visualize Path Findings in Action

Created a visualizer tool in Python using Pygame module to compare the speed of A* and Dijkstra's pathfinding algorithms in a window application

https://github.com/kaledai069/A_Star-Path-Finding-Algorithm

Sortos - Visualize Sorting Algorithms in Action

Visualized ten popular sorting algorithms using Vanilla JS

<https://kaledai069.github.io/Sortos/>

TRAINING/CERTIFICATIONS

Deep Learning Specialization

2022

DeepLearning.AI

Machine Learning Specialization

2022

Coursera - Stanford University

SKILLS

C++ Programming, Python Programming, Django framework, Data Structures & Algorithms, Pytorch, Tensorflow, OpenCV, Javascript

LANGUAGE

English, Nepali, Hindi