Pratik Shrestha

Student

Pratik Shrestha

Kathmandu, Nepal

9840667466
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Skills

Machine Learning, Website Development

Leadership Experience

St.Xavier's College Computer Club / Vice President
August 2019 - February 2020

Organized club meetings, two intra-college events: SX3C Computer Olympiad, Website Development Competition, and an inter-college event, SX3C Computer Festival which included: Graphics design competition, ICT quiz competition, Code jam, Robo wars, Website development competition

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Education

Pulchowk Campus / Bachelors in Computer Engineering
2021-2025, Lalitpur

St.Xavier's College / +2
2018-2021, Maitighar, Kathmandu

GPA: 3.72

Siddhartha Vanasthali Institute / SEE
2018, Banasthali, Kathmandu

GPA: 3.9

Awards

Docsumo DataRush
January 2022

Award: Winner of the Data Insights Category
Prepared a data insights report representing useful information in the given dataset (ArXiv Abstract dataset) using histograms, bar diagrams, word clouds, and analyzed them.

Designing a sustainable future using ICT
November 2021

Award: Winner of the climate change category

Built an app with an ML-based landslide prediction model, useful visualizations from satellite data, and NASA's landslide prediction model and landslide reporting system for local people to minimize landslide-induced losses.

Courses & Certifications

4th Annual Nepal AI School

NAAMII, June 2023

Advanced Computer Vision with TensorFlow

Coursera, June 2023

Credential Url:

https://www.coursera.org/account/accomplishments/certificate/6UJQXVQ5UW95

DeepLearning.AI Tensorflow Developer

Coursera, June 2022

Credential Url:

https://www.coursera.org/account/accomplishments/specialization/certificate/8KVMPND2EG7E

Data Visualization

Kaggle, Aug 2021

Credential Url:
https://www.kaggle.com/learn/certification/pratik414/data-visualization

Intermediate Machine Learning

Kaggle, Aug 2021

Credential Url:
https://www.kaggle.com/learn/certification/pratik414/intermediate-machine-learning

Deep Learning Specialization

Coursera, Aug 2021

Credential Url:
https://www.coursera.org/account/accomplishments/specialization/certificate/Z4JA3NQ54ZBY

SQL for Data Science

Coursera, October 2020

Credential Url:
https://www.coursera.org/account/accomplishments/certificate/NELK6L9JUHT9

Machine Learning

Coursera, August 2020

Credential Url:
https://www.coursera.org/account/accomplishments/certificate/8L7EM8CKZR2A

Projects

- **PKL (PKL Knows Landslide)**
  https://github.com/P-stha12/PKL-1,
  https://github.com/P-stha12/Machine-Learning/tree/main/PKL
  Train models to predict landslides from weather variables. Processed the data from two different sources applying various methods (explained in detail in Repository's description) to get the required data for the task.

- **A-eye.ai**
  https://github.com/P-stha12/a-eye.ai
  A-eye.ai is a software that integrates ML into eye-checkup health camps. It consists of a ML model that can classify a fundus image as Diabetes, Cataract, Glaucoma, Normal or Others. I got experience working with image data and vision models from this project. My team presented this project in various hackathons. We received feedback for improvement on model evaluation aspects. Further research and improvement for this project is on my to-do list.

- **The Solar Translator**
  https://github.com/P-stha12/The-Solar-Translator
  The solar translator is a forecasting model that forecasts solar wind speed from solar data with the main goal of receiving warnings of Carrington-like events in advance.

- **Visual Pollutants Detection using YoloV7**
  https://github.com/P-stha12/Pollutants_Detection_Yolov7_custom
  Trained YOLO V7 on custom dataset to detect visual pollutants (Garbage, Bad Billboards, Graffiti etc.)

- **Transformer implementation in Tensorflow:**
  https://github.com/P-stha12/Transfomer