PRAKASH DAHAL

pdahal2871@gmail.com

Address: Kathmandu, Nepal   **Mobile: 9864000490**

REACH ME :

https://www.linkedin.com/in/pd2871/

https://github.com/PDahal2871

https://stackoverflow.com/users/13573168/prakash-dahal

https://www.hackerrank.com/pdahal2871

https://www.hackerearth.com/@pdahal2871

https://www.analyticsvidhya.com/user/prakash178

SUMMARY

• A Bsc. (Hons) Computer Science graduate from **Herald College/ University of Wolverhampton (UK).**

• Strong in Communication and Business Handling skills

• Deep Understanding of AI, Database Management System, Data Structures and

  Algorithm and Analytical Skills.

• Familiar with both Linux and Windows OS.

• Love Contributing to the Society. – (1000+ reputation in **StackOverFlow**)

• HardWorking, Talented and Skillful.

TECHNICAL SKILLS:

• **Language :** Python , MySQL , Java

• **Deployment Frameworks :** AWS, StreamLit , Heroku

• **Deep Learning Frameworks :** Tensorflow, Keras

• **Data Visualization :** Matplotlib , Seaborn

• **Data Analytics:** Pandas , Numpy , Scipy , MySQL Workbench

• **Machine Learning Tools :** Sklearn , OpenCV, Numpy , Matplotlib, Seaborn , Scipy, Pandas , many more ...

• **Other Skills:** Django, Web scrapping using Beautifulsoup, SQLite3, Data Structures and Algorithms, HTML, CSS, Unity 3D, Git, AWS, Data Science

WORK EXPERIENCE:

⬚ **AWS AI/ML Intern** – (August 2020 – December 2020)

Genese Cloud Academy

- Built AI/ML applications using Amazon Sagemaker
- Deployed End to End Websites in ec2 instance.
- Actively helped others in Discussions forums
- Done Exploratory Data Analysis and Data Visualization of Corona dataset
- Built chatbots using Amazon lex, face rcognition system using Boto3 and AWS Rekognition
- Exploration of many AWS tools like S3 buckets, ec2 instance, load balancer, sagemaker, deepracer and so on..

Python Developer Intern – (December 2020 – January 2021)

UpTechSys Pvt. Ltd

- Built REST APIs using Django.
- Use of PostMan to validate REST APIs.
- Built complex Django models for 2 different end to end projects (Real Estate Project and project for a school).

 Data Scientist – (January 2021 – *present)

ASMI

- Created dataset with millions of records by using web scrapping tools like bs4 and scrapy, including scraping websites like Amazon, Flipkart, and YouTube for Data Analysis.
- Worked on building a robust custom object detection model (ensembling of SSD and YoloV5) for detecting clothes in live videos.
- Data pre-processing, Data analysing and Data manipulation using many ML tools like pandas, numpy, scipy, etc. for the scrapped dataset.
- Involved in injecting AI based ads on videos using tools like OpenCV and GStreamer.
- Custom objects tracking using OpenCV

PROJECT EXPERIENCE :

Automated Attendance System using MySQL Database and Face Recognition

June 2020

• (End - To - End) Made a Fully Functional Attendance System for college using concepts related to MySQL database, face recognition and Django.

Automated Emotions Detection using CNN

September 2020

• Made a Fully Functional Deep learning CNN Model using Transfer Learning which predicts different Human Emotions like happiness, sadness based on Images. It is used to predict the emotion of a person from the live camera

Train Acc.- 89 %, Test Acc. - 87 %

Github : *https://github.com/PDahal2871/Emotion-Detection*

Live Face Mask Detection for Corona Patients

 August 2020

• Made a Live Face Mask Detection to detect whether a person is wearing a face mask or not for survey purpose.

• CNN and OpenCV is used for this project.

Train Acc - 96 %, Test Acc - 97%

Github : *https://github.com/PDahal2871/Face-Mask-Detection*

Real Estate project

January 2021

• Involved in creating a Web project for Real Estate using Django as Backend framework

• Created Django Models to interact with PostgreSQL

• Used different techniques like Serializer, Router and Viewsets to create Rest APIs and validated it using PostMan.

Hepatitis Survival Prediction

May 2020

• Made a fully end to end project to predict whether a person suffering from Hepatitis will survive or not.

• Used different techniques like Data pre-processing, Exploratory Data Analysis, Data Visualization, Feature Selection, comparison of accuracy between different ML models.

• Deployed the project in Heroku. Link here

Train Acc - 92 %, Test Acc - 84%

Github : *https://github.com/PDahal2871/Hepatitis-Survival-Prediction*

Automated Web Scrapper

February 2021

• This project is being made to scrap the data like Images, Titles, Tags, etc. from websites like Amazon, Flipkart and YouTube for Data Analysis

• Used different methods like handling of Null values, Data pre-processing, Exploratory Data Analysis and Data Visualization of the Dataset

Github : *https://github.com/PDahal2871/Web-Scrapping*

Clothes Detection (Custom Object Detection)

March 2021

• This project is being made to detect cloths from live videos and used that detected cloth name to show related clothes as ads.

• It includes-

- Downloading tons of TikTok and YouTube videos from web and to create images from Videos.
- Processing the images like deleting blurred and unwanted images from the collection
- Annotating all the processed images using labelImg tool
- Using many models like Single Shot Detector (SSD), YoloV5 and Detectron2 and compare their results to find the best model for the custom object Detection.
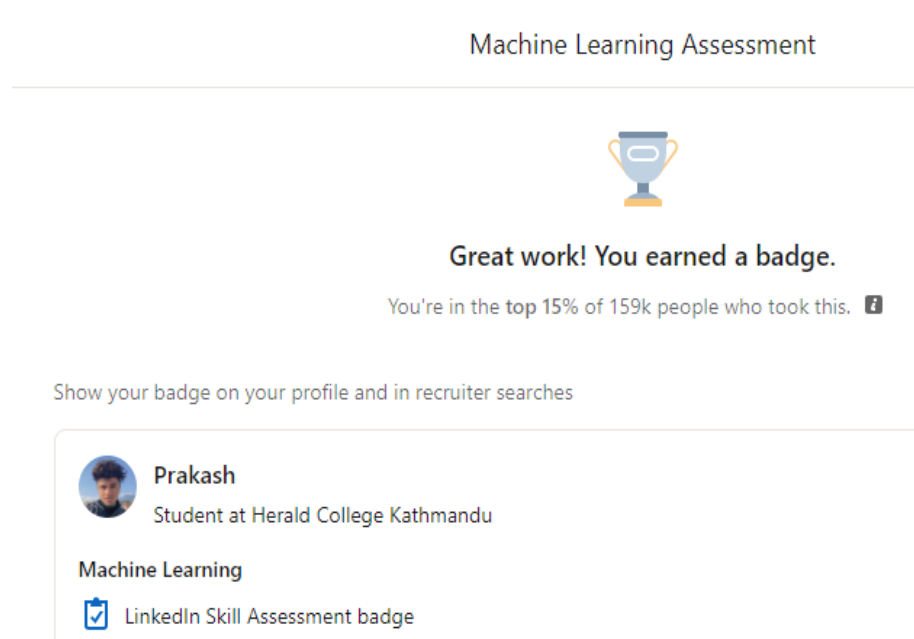- Ensembling SSD and YoloV5 models for better accuracy.

AWARDS AND ACHIEVEMENT:

• **Ranked in top 157 out of 845 participants in Hackerearth's Adopt a Buddy Challenge**

Link: *https://github.com/PDahal2871/HackerEarth-Competitions*

• **Ranked inside top 15% for solving Machine Learning LinkedIn Assessment**

Link: https://www.linkedin.com/in/pd2871/

Machine Learning Assessment

Great work! You earned a badge.

You're in the **top 15%** of 159k people who took this.

Show your badge on your profile and in recruiter searches

Prakash
Student at Herald College Kathmandu

Machine Learning
LinkedIn Skill Assessment badge

• **1000+ points and Top 2% Developer in StackOverFlow**

• **Expert in test conducted by PLURAL SIGHT IQ in Data Analytics Literacy (221) and Python for Data Analysis (268). Link here**

EDUCATION :

• **Bsc (Hons) Computer Science**

  Herald College Kathmandu/ University of Wolverhampton (UK).

  (2018-2021) (Current GPA – 3.9/4)

• **12th – Prasadi Academy**

  2016-2018 (GPA - 3.71/4)

• **10th – Mount Valley Academy**

  2005-2016 (GPA – 3.65/4)

OTHER SKILLS AND CERTIFICATE :

Coursera :

- **Deep Learning Specialization - 2020**
  https://github.com/PDahal2871/Achievements/blob/master/Certificates/DeepLearning_Specialization.pdf

- **IBM AI Engineering - 2020**
  https://github.com/PDahal2871/Achievements/blob/master/Certificates/IBM%20AI%20Engineering.pdf

- **DeepLearning.ai Tensorflow Developer - 2020**
  https://github.com/PDahal2871/Achievements/blob/master/Certificates/Coursera%20XUNVKBL3EMVO.pdf

- **Natural Language Processing – 2021**

https://github.com/PDahal2871/Achievements/blob/master/Certificates/Coursera%20P62WGM5MJYY9.pdf

Software : MS-Excel , MS Word

Languages : English (Professional proficiency) , Nepali (Professional proficiency), Hindi (Intermediate)

The End