



Diwas Pandey

Associate ML Engineer

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Machhapokhari, Kathmandu, Nepal 📍

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Highly motivated, strong drive with excellent interpersonal, communication and team building skills. Motivated to learn, grow and excel in Artificial Intelligence

EXPERIENCE

Team Lead & Associate Machine Learning Engineer

Bottle Technology 🔗

07/2021 - Present

CONTRIBUTIONS

- Lead ML Research team on creating OCR model for Devanagari Characters of Nepali Citizenship
- Developed Broker Web application with autofill OCR implementation on citizenship, passports, Bank cheque
- Performed Image enhancement by extracting Image & signature from citizenship
- Implemented ML projects on EC2, Docker & Serverless

Founder & Content Writer

aihubprojects.com 🔗

09/2019 - Present

CONTRIBUTION

- Designed & published Machine Learning algorithms tutorials with scratch implementation
- Published various articles and project tutorials on ML, NLP and Computer Vision

AWS AI/ML Interestship

Genese Cloud Academy 🔗

08/2020 - 12/2020

Services Learnt

- EC2, S3, Lambda, Polly, Lex, Boto3, Textract, Rekognition, Sagemaker, Load Balancing

EDUCATION

Bachelor in Computer Engineering

ACEM - IOE TU

08/2016 - 03/2021

GPA : 79.09%

National Examination Board - HSEB

National School of Science(NIST)

08/2014 - 06/2016

GPA: 80.7%

SLC BOARD

Vishwa Jyoti H.S.S

05/2009 - 05/2014

GPA: 89.5%

SKILLS

PYTHON

ARTIFICIAL INTELLIGENCE

AWS

DEEP LEARNING

SQL

COMPUTER VISION

PERSONAL PROJECTS

Fake License Plate Generation

- Tools used : Python, OpenCV, GAN

Doodle to Image using SPADE

- Tools used : Python, GauGAN

Real Time Number Plate Recognition System 🔗

- Tools used : Python, YOLO, OpenCV, Keras

Corona Prediction from X-Ray Images & Face Mask Detection 🔗

- Tools used : Python, OpenCV, Keras, Tensorflow

Corona Cases Visualization & Forecasting 🔗

- Tools used : Scikit-Learn, Pandas, Numpy, Seaborn, Plotly

Blood Cancer Detection Using CNN 🔗

- Tools used: Python, Pytorch

Diabetes Prediction using K-means 🔗

- Tools used : Pandas, Numpy, Scikit-learn, Scipy, Matplotlib, Seaborn

Crop Prediction & Recommendation 🔗

- Tools used: Python, Scikit-Learn, Numpy, Plotly, Matplotlib

Age, Gender & Emotion Prediction 🔗

- Tools used : Boto3, AWS Rekognition, EC2

Twitter Sentiment Analysis

- Tools used : Tensorflow/keras

PUBLICATIONS

Beginners Guide to Machine Learning

Kindle version

Ultimate Guide to Python basics 🔗

Kindle Version

Poster Presentation on ACEM SET Conference 🔗

Real Time Number Plate Recognition System

LANGUAGES

Nepali

Native or Bilingual Proficiency

English

Full Professional Proficiency