

Jyotirmay Paliwal

A dedicated and innovative software developer with a strong foundation in Python, C++ and expertise in various Data Science and Deep Learning libraries, including PyTorch, Scikit-learn, and more.

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EDUCATION

Parul University

Bachelor of Technology in Computer Science & Engineering

August 2019 - August 2023

- Coursework: Deep Learning, Machine Learning, Artificial Intelligence, Computer Vision, Operating Systems, Data Structures & Algorithms, DBMS, Statistics

WORK EXPERIENCE

Utkarshini Edutech

Computer Vision

Feb 2022 - May 2022

- Built a Deep Learning model to detect people stuck in flood through images using Computer Vision.
- Built a program to automatically feed the model images through Twitter using #flood hashtags.

PROJECT

Image Segmentation on Cityscapes data using PyTorch and UNet

October 2021

- <https://github.com/jyotirmaypaliwal/Image-Segmentation>
- I did image segmentation on cityscapes data using UNet architecture. Cityscapes image segmentation is very useful for self driving cars. Image segmentation also has applications in medical field, such as detecting tumours etc.

DCGAN on Celeba dataset using Pytorch

September 2021

- <https://github.com/jyotirmaypaliwal/DCGAN-on-Celeba-dataset>
- Here I applied Deep Convolutional Generative Adversarial Networks (DCGANs) on the famous Celeba dataset using Pytorch.

Gender recognition using Inception-v3 and PyTorch

August 2021

- <https://github.com/jyotirmaypaliwal/Gender-recognition>
- Using the data from CelebFaces Attributes (CelebA) Dataset which consists of 202,599 images with 40 attributes, I trained an Inception-v3 model with some custom composed output classes to recognize different gender in images.

MNIST digit recognition using Logistic Regression

July 2021

- <https://github.com/jyotirmaypaliwal/Handwritten-digit-recognition>
- Here I used Logistic Regression on MNIST dataset. I used Sci-kit Learn to implement Logistic Regression.

SKILLS

Python ●●●●●
PyTorch ●●●●●

C++ ●●●●●
Data Science ●●●●●

Data Structures & Algorithms ●●●●●
Problem Solving ●●●●●

- Scikit-learn
- Windows and Linux
- Problem Solving
- Communication
- Teamwork