JYOTIRMAY PALIWAL

Phone: (+91) 9001809773, **E-mail:** jyotirmaypaliwal@gmail.com
GitHub: https://github.com/jyotirmaypaliwal, **Website:** https://jyotirmaypaliwal.github.io/

Education

Parul University
B.Tech. in Computer Science & Engineering   (*Aug 2019 – Aug 2023*)
- **Coursework:** Deep Learning, Machine Learning, Artificial Intelligence, Computer Vision, Operating Systems, Data Structures & Algorithms, DBMS, Statistics

Technical Skills

- **Languages:** Python, C++, Octave, SQL
- **Libraries:** PyTorch, OpenCV, Scikit-learn, NumPy, Pandas, Matplotlib
- Computer Vision, Git, Linux, AWS, MySQL

Projects

Image Segmentation on Cityscapes data *(url)*
- 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 *(url)*
- Here I applied Deep Convolutional Generative Adversarial Networks (DCGANs) on the famous Celeba dataset using PyTorch. The reference and model for my project was taken from the paper, "Unsupervised Representation Learning with Deep Convolutional Generative Adversarial Networks" by Alec Radford, Luke Metz and Soumith Chintala.

Gender recognition using Inception-v3 *(url)*
- 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.

Other Projects
- Handwritten digit recognition using Logistic Regression. *(url)*
- Housing price prediction using Linear and Polynomial Regression. *(url)*

Volunteering Work

- **Mozilla Campus Club:** Started local Mozilla campus club in my hometown to teach students about programming and teach about the importance of open-source software.
- **Food Distribution:** Helped with distribution of food packets to the poor migrant workers in various parts of city when Covid-19 was at peak.
- **Social Work Trip:** Went to a remote village to build road to a school, clean up local river and to make people aware about the importance of women education.

Other Interests

Playing cricket, writing poems, going on road trips, reading fictional books, Listening to music