Rohan Chopra (40233019)	Harman Singh Jolly (40204947)	Abhishek Handa (40231719)	Harmanpreet Kaur (40198317)
Explored and pre-processed the Chest X-ray 8 dataset.	Pre-processed, visualized and augmented the images of covid-pneumonia dataset	Preprocessing on Pneumonia dataset	Visualization of different models
Created the entire training and evaluation pipeline using PyTorch for multiclass data.	Experimented with 3 backbone architectures with different batch sizes on the covid dataset	Experimenting on different deep learning models like AlexNet, VGG with different values of batch size	TSNE - completed the TSNE visualisation on 12 models
Created the entire training and evaluation pipeline using PyTorch for multiclass multilabel data.	Training 3 baseline models namely Resnet34, MobileNet & EfficientNet	Testing Evaluation and Result gathering on pneumonia dataset with Efficient Net, MobileNet and RestNet34 backbone architecture	Gradcam - Performed the gradcam visualisation on 8 models
Identified backbone architectures to be used and created modular code to train them.	Performed Transfer learning for covid-pneumonia dataset	Data Augmenation on Pneuomonia dataset	Plotted the confusion matrices for the 12 models.
Identified the pre-processing steps that will work best for Chest X-ray scans.	Performed Hyper-parameter tuning with different LRs for covid pneumonia dataset	Power point presentation and contribution to midway and final report along with github submissions	Contributed in report writing and power point presentation content and github submissions
Trained 3 models from scratch for the Chest X-ray dataset first using the multiclass approach and then using the multilabel approach.	Performed ablation study for the different LRs making their respective LR plots	Experimented with different schedulers like Cosine Annealing LR with warm restarts.	
Performed transfer learning on the chest X-ray 8 dataset.	Contributed towards proposal, progress report and final report writing, github submissions and presentation making	Gathering Transfer Learning results on Pneumonia dataset.	
Found ways to train the models using online and university resources.			
Created the code to generate dataset metrics.			
Created the code to calculate FLOPS of different models.			
Devised the strategy and steps to complete the project. Assigned tasks to different team members.			
Set up meetings to discuss next steps and tasks for different team members.			
Created plots for training and validation F1 and loss.			
Created all three reports using latex.			
FInalized and wrote the text for all three reports.			
Created the final version of the presentation and recorded the video.			
Approved by Abhishek, Harman Singh and Harmanpreet	Approved by Rohan, Abhishek and Harmanpreet	Approved by Rohan, Harmanpreet and Harman Singh	Approved by Abhishek, Rohan and Harman Singh