

Final Project

Summer STEM: Machine Learning

Department of Electrical and Computer Engineering
NYU Tandon School of Engineering
Brooklyn, New York

July 1, 2022

Final Project

- Task: CIFAR10 or Car classification.
- Simplification: No validation. You can directly tune your network based on the test set accuracy.
- Friday: Present your model performance.
- Each team should present for 12-15 minutes.

Presentation Template

- Slide 1: Title and introduction
- Slide 2: Introduce your project: dataset, labels, etc...
- Slide 3: Your network architecture
- Slide 4: Other hyper-parameters, e.g.
 - optimizer, learning-rate
 - batch size, epochs
 - data augmentation, transformation
- Slide 5: Model performance on training set (loss) and test set
 - Training loss
 - Test accuracy total
 - Test accuracy for each class
- Slide 6: Challenges and how you resolve them.
- Slide 7: Conclusion

On Friday

- Project presentation
- CNN applications
- Social impact of ML