**Andre Neptune Jr**

**AI510**

**PE09: Programming Exercise**

**Instruction**

**Resource:**

* Noah G., Alfredo D. (2021). Practical MLOps. O'Reilly Media, Inc.
* Learn the basics. (n.d.). PyTorch: <https://pytorch.org/tutorials/beginner/basics/intro.html>
* Installing Miniconda. (n.d.). Miniconda: <https://docs.anaconda.com/free/miniconda/miniconda-install/>
* Zivkovic, S. (2021, November 8). #017 PyTorch - How to apply batch normalization in PyTorch. Data Hacker. [https://datahacker.rs/017-pytorch-how-to-apply-batch- normalization-in-pytorch/](https://datahacker.rs/017-pytorch-how-to-apply-batch-%20normalization-in-pytorch/)

Your task for this Programming Exercise is to achieve a similar behavior as HOS09A but with a different image file input called “bear\_low.jpg”. The result file name should be “bear\_high.jpg”

**Note**: The result might not be expected as a higher resolution due to the limitation of the model. However, you should be able to see some different results compared to the input file “bear\_low.jpg”.

**Submit the items below to the PE submission page:**

1. The GitHub link of your PE09 contents.
2. Make sure the PE module number and your name are written on the file name (e.g., "*PE01\_YourName.docx").*

*The PyTorch notebook in this module serves as a practical guide, helping you understand how to use PyTorch for image processing and machine learning. It breaks down complex AI concepts into simple, manageable steps, making it easier to grasp and apply in real-world tasks.*