Brain MR Images Work:

Working as a graduate assistant at Intelligent Systems lab under Machine Learning Intelligence (MInG) lab, I worked with 3D images of MRI. This task was based on applying 3D U-Net algorithms and other deep learning models to MR Images after being pre-processed. Working through the literature comprehensively investigated pre-processing methods used for the process of MR images. Pre-processing methods like bias field correction, intensity normalization, Gibbs ringing artifact removal and adaptive histogram equalization. Noticed significant improvements in MR Images segmentation results (dice score) by using pre-processing methods in conjunction with each other.