## Case Study

## **Compression of Deep Learning-based MRI Reconstruction Model**

- Project to compress a clients' MRI reconstruction model previously running on AWS high-tier instance(V100) to run on local PC w/Intel CPU
- Achieved 1,840x memory reduction, 160x inference acceleration, and 9x instance cost reduction without compromising accuracy
- Expected to facilitate purchase conversion by not transmitting private medical information to the outside



