

Case Study 8: Privacy Preserving Recommendations System

Business Challenge

To develop a Federated learning based platform and privacy preserving recommendation system for Wellness App

Requirement

- Develop a Federated Learning based platform and federated learning based algorithms for recommendation system
- Generate recommendations on Edge devices

Technology & Tools

- Python, Pandas, NumPy, SciPy
- TensorFlow
- SQL, MySQL, SQL-Alchemy,
- Flask, Rest API
- AWS, Docker

Value add by MiraFra

- Developed end-to-end platform for federated learning
- Develop federated learning based algorithms for recommendations
- Develop simulator to simulate training recommendation model for 50000 users
- Develop end-to-end demo for federated learning based recommendations

