Master Project: Event Prediction Framework Based on MANN Model

Event prediction models have been widely used in many fields such as business process management, stock prediction, industrial manufacturing, and autonomous driving, and have achieved good results. This project focuses on the development of event prediction model architectures in multi-core real-time scheduling systems. Based on existing process mining technologies, there are many event prediction models that can be used, and MANN (Memory-Augmented Neural Network) is one of them. The main task of this project is to explore the feasibility of the MANN model in event prediction tasks and to develop the corresponding framework.

Your Profiles:

1. Familiar with and independent work in Python.
2. Experience in PyTorch.
3. Good knowledge of RNN.

Your Jobs:

1. Literature review for Seq2Seq Model and MANN.
2. Seq2Seq model implementation as baseline.
3. MANN framework development based PyTorch.
4. Performance comparison between MANN and Seq2Seq Model.
5. Master Thesis.