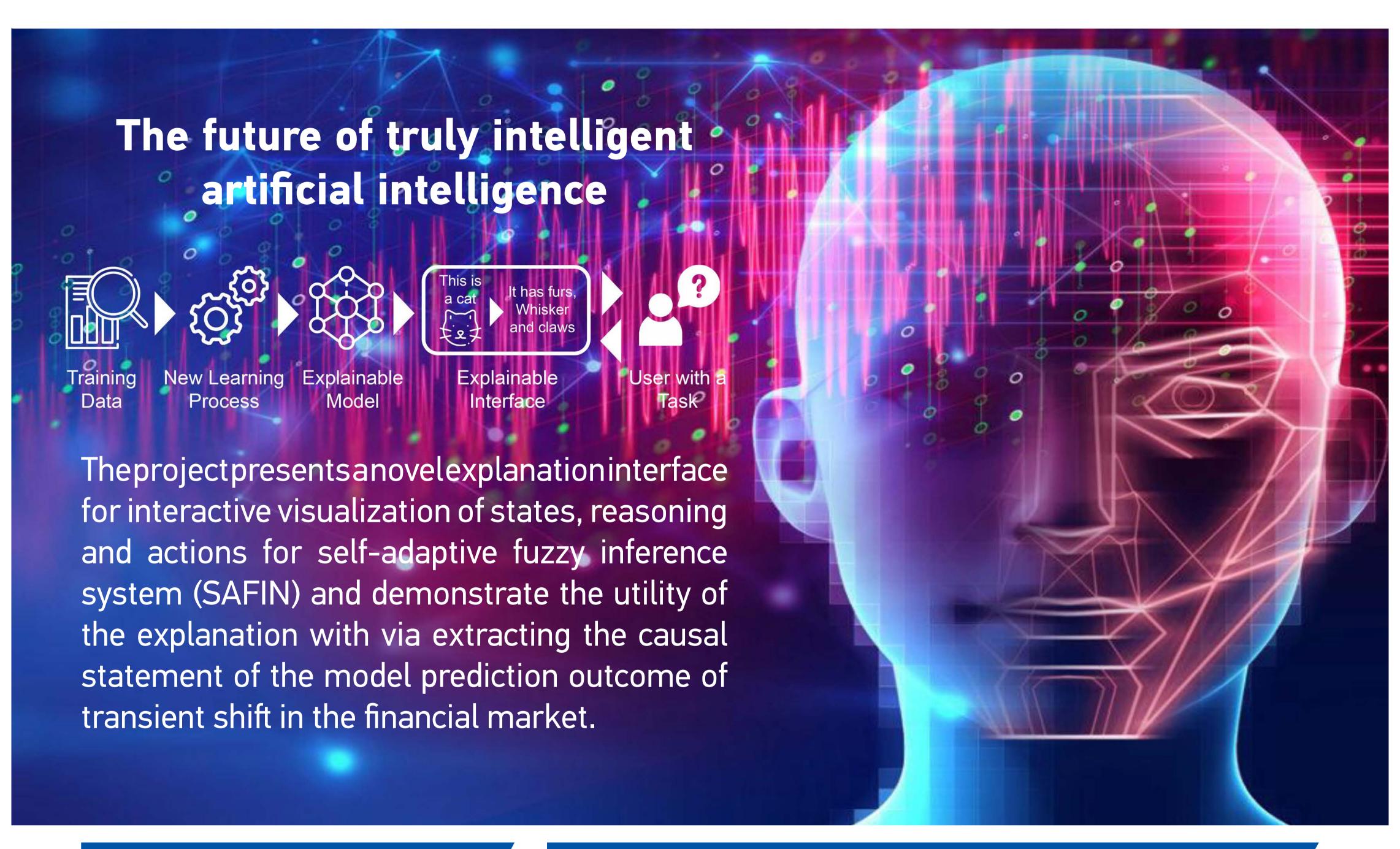
# Explainable Artificial Intelligence with Self Adaptive Fuzzy Inference System

Student: Delphine Lee Han Wei Supervisor: Assoc Professor Quek Hiok Chai



## **Project Focus**

#### **Interpretability**

Interpretability refers to the mapping of abstract concept into human-understandable presentation. It is achieved via design and labelling of fuzzy clusters and color differentiation of state and action of fuzzy cluster during model training stage.

#### **Explainability**

Explainability refers to the set of features of interpretable domain that contributed for a given example to produce the final decision. Fuzzy clusters and rules are translated into explainable semantic language to further increase the model explainability.

### **Interface Architecture**

