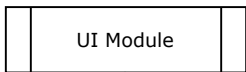


Data Visualisation

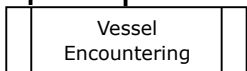


Encountering Vessels' Kafka Topic

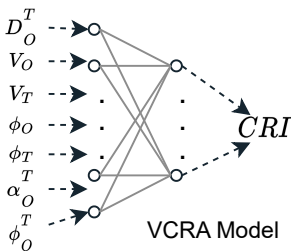
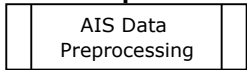


Vessels' CRI Kafka Topic

Data Harvesting and Processing (online)



Cleansed AIS data



Model Training (offline)



AIS Record
+ mmsi: int
+ $t_{now}$ : int
+ lon: float
+ lat: float
...



Raw AIS Data Stream