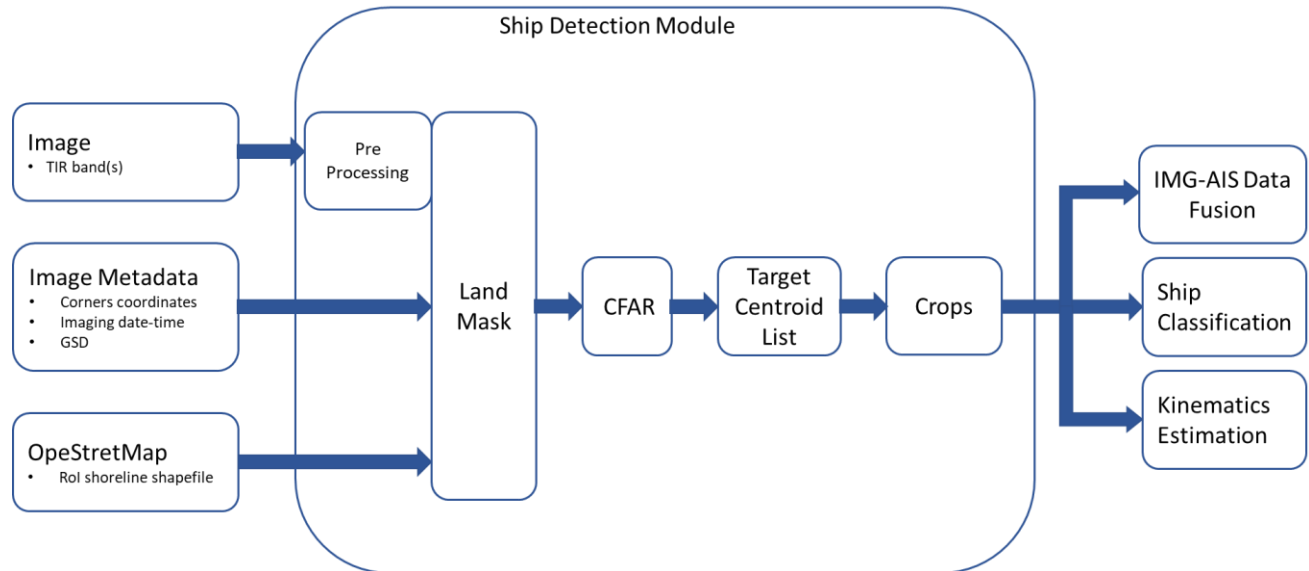


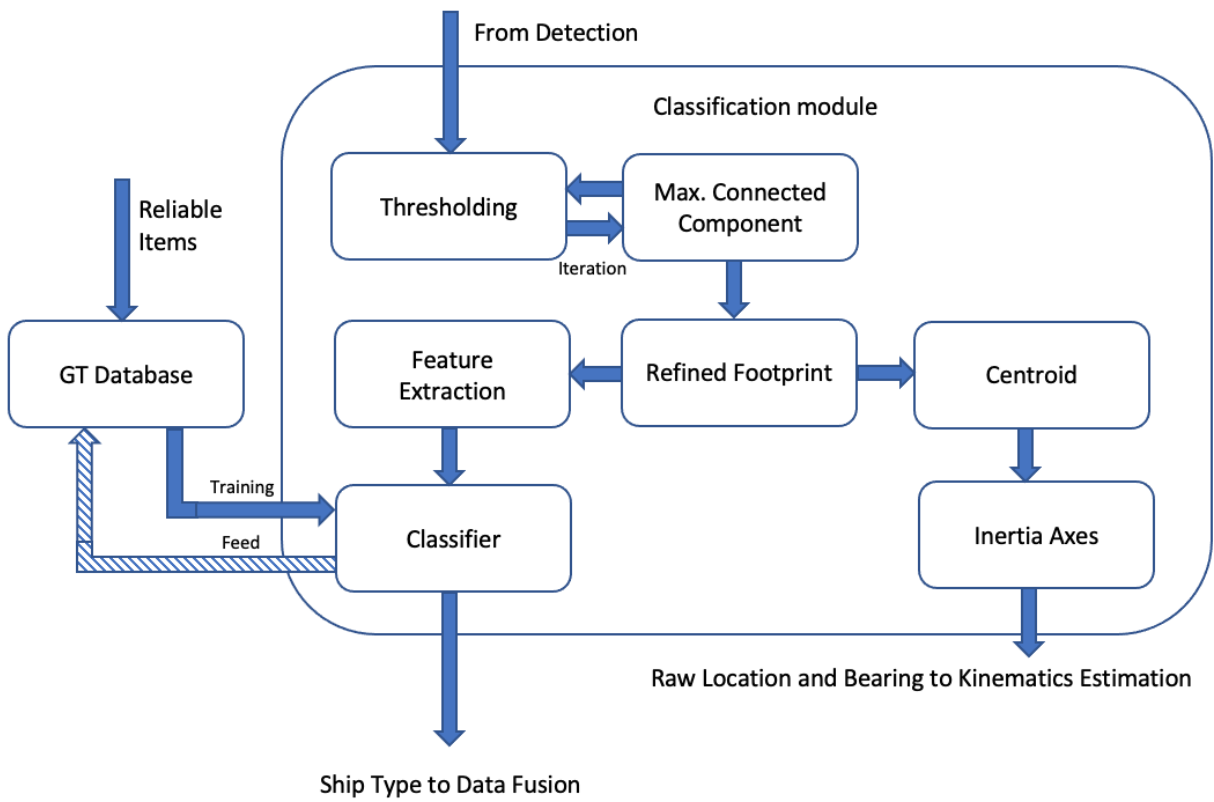
## Modules Block Diagrams

The following series of block diagrams provides a visual representation of the functionalities of each module in the pipeline.

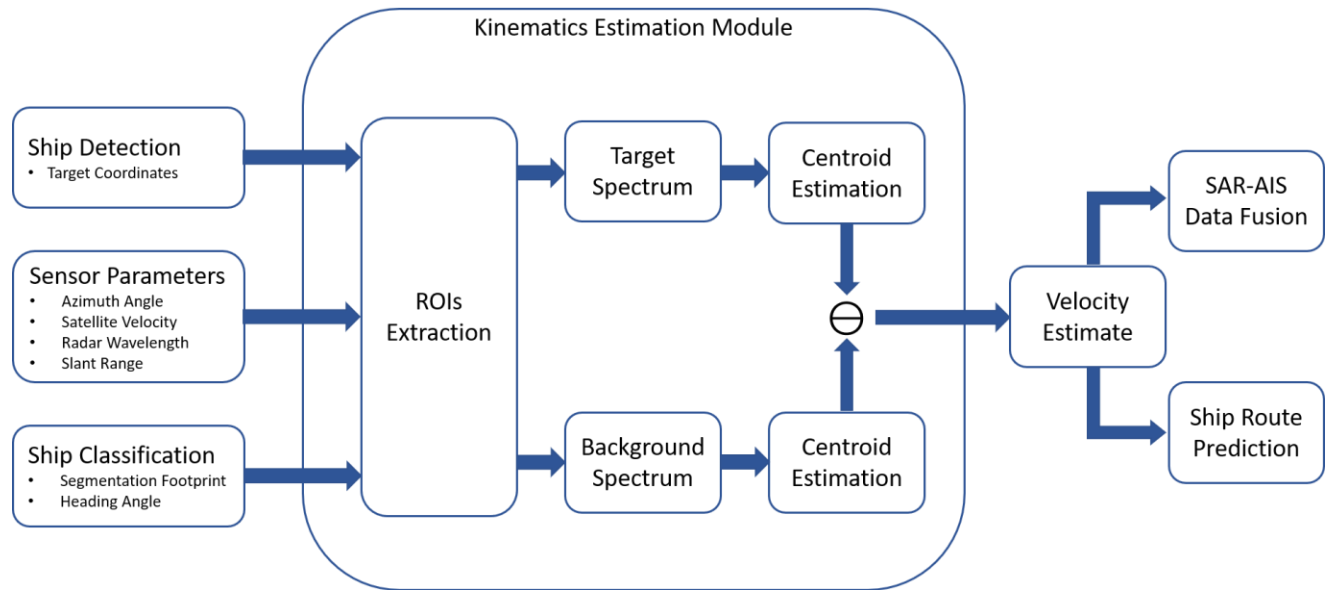
### Ship Detection



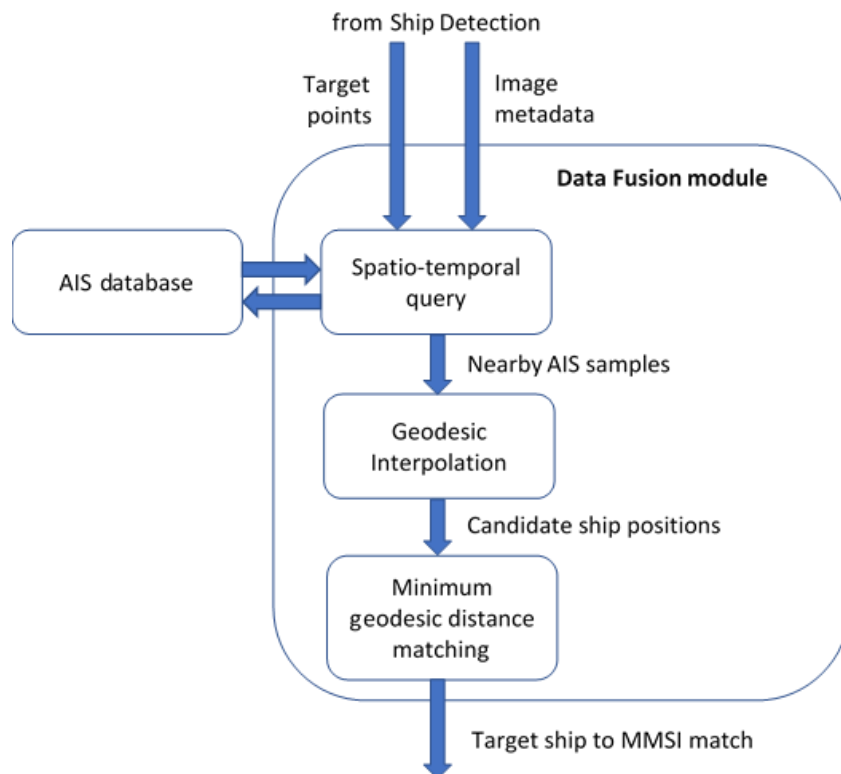
### Ship Classification



## Ship Kinematics Estimation



## SAR-AIS Data Fusion



## Ship Route Prediction

