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(57) Abstract :
The present disclosure relates generally to field of computer vision and deep learning. More specifically the present invention relates to a method and system for automatically generating deep learning models for broad area geospatial object detection. The method (100) includes preprocessing (104) the received geospatial data to extract features, reduce noise and segment a plurality of images and training (108) a range of deep learning models and evaluating using a range of performance metrics and selecting the best model based on the performance. The deep learning model is applied (112) to the preprocessed geospatial data to detect objects of interest. Advantageously, the present invention relates to a method for automating the development of deep learning models for geospatial object detection, making it easier and more efficient to analyze large-scale and complex geospatial data.

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