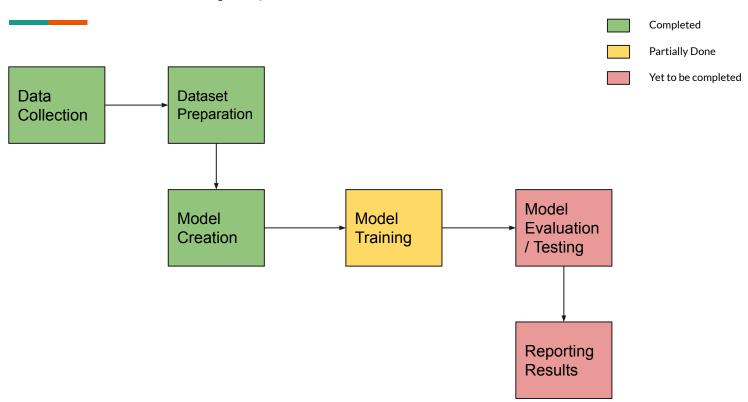
Creating a deep learning based Flood Inundation Model to predict the flood vulnerability for the NorthEastern Region of India.

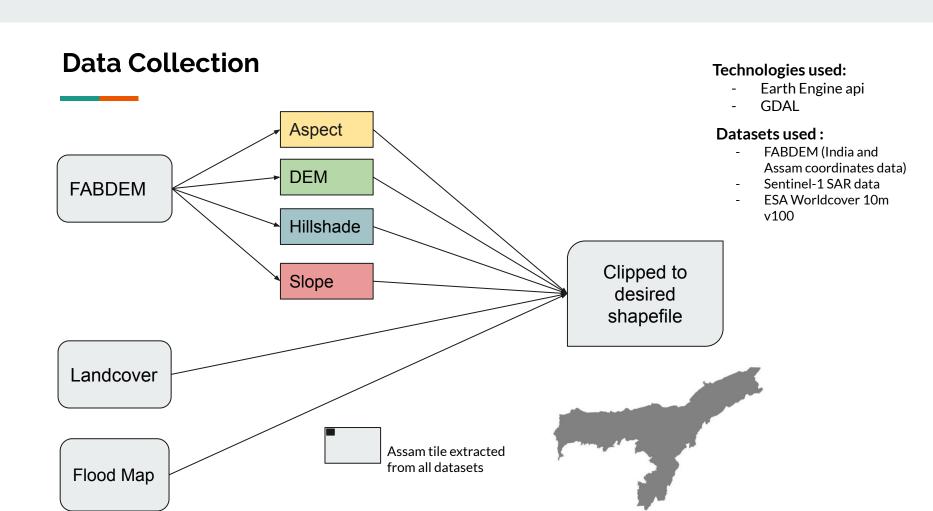
- Manpa Barman, Pritom Gogoi, Dr. Santonu Goswami

Objective

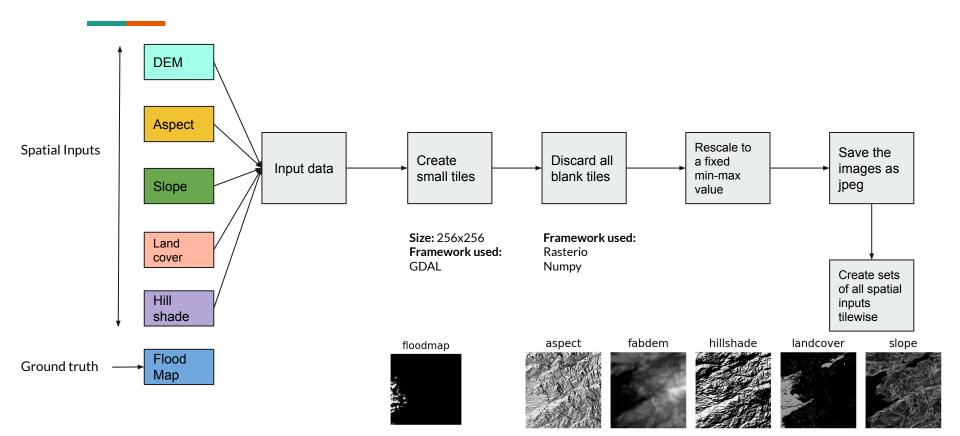
- Creating a model which can predict the flood vulnerability of a region based of various spatial inputs.
- 2. Unlike the hydrodynamic models, our deep learning based approach attempts to reduce the inference time of flood prediction for a particular area.

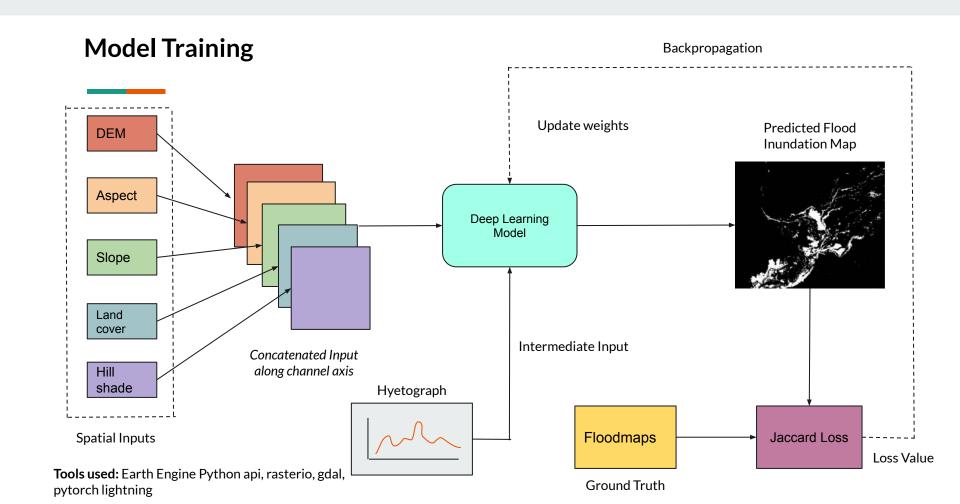
Workflow of the project



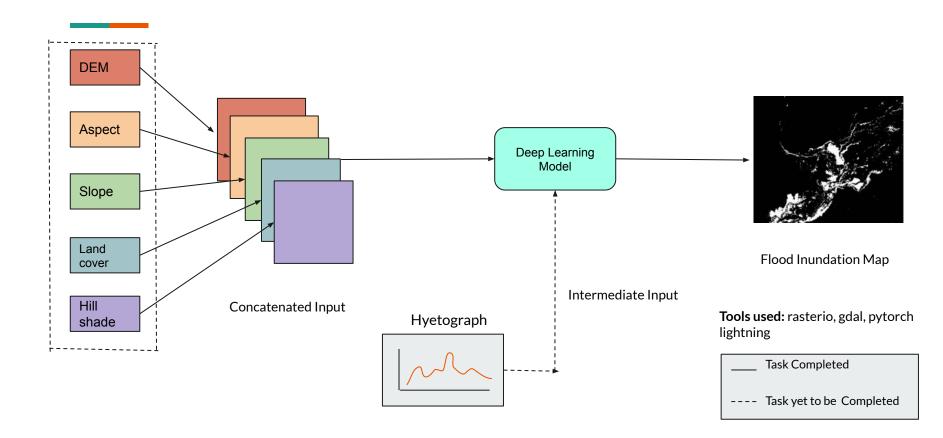


Data Preparation





Model Evaluation



Thank you for your attention.