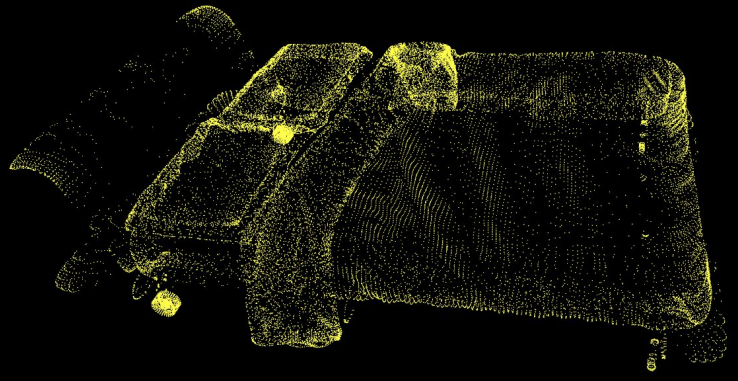
Point Cloud Classification

Disha Jindal, Kushagra Goel and Saket Karve

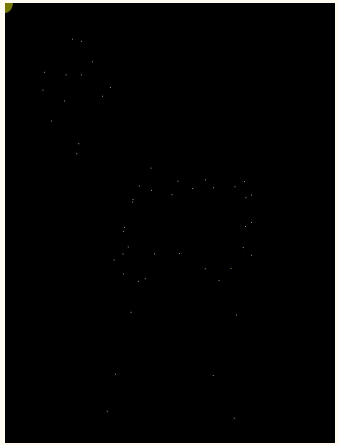
Milestone 1 Achievements

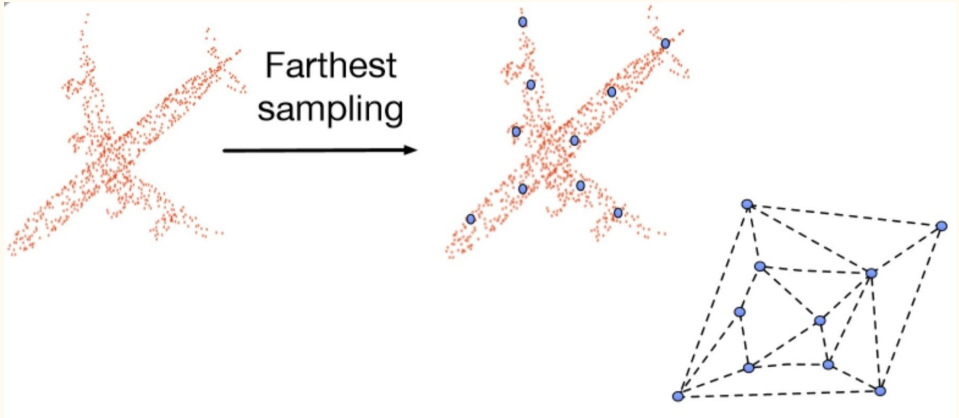
Data Loader

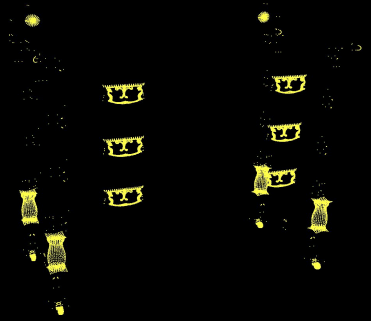


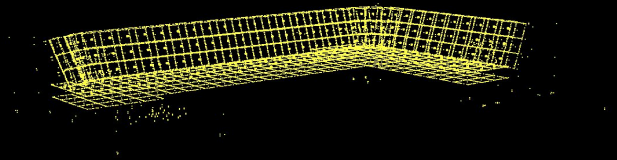
Visualizations and Farthest Sampling

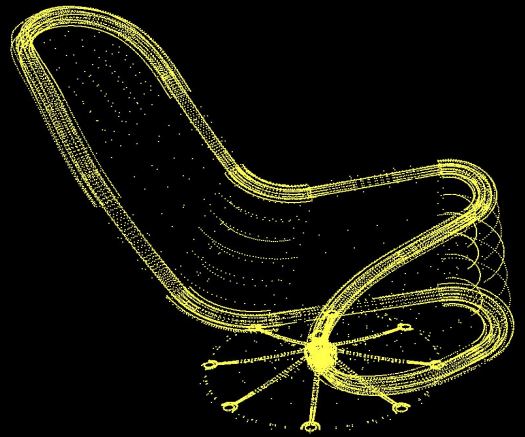
What is Farthest Sampling





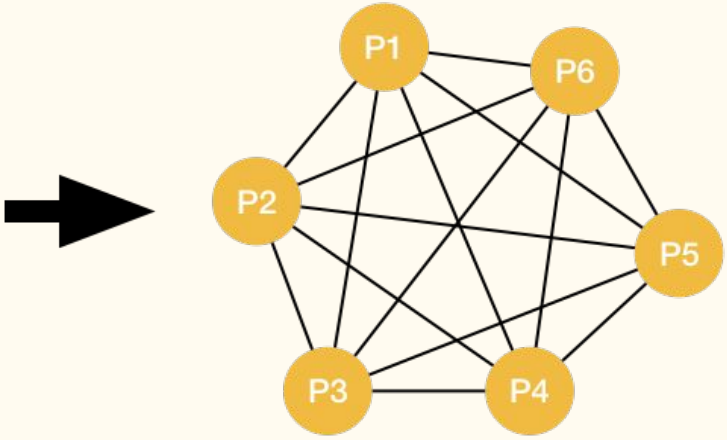


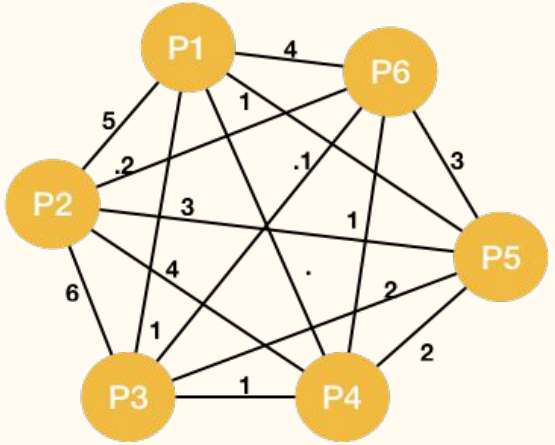


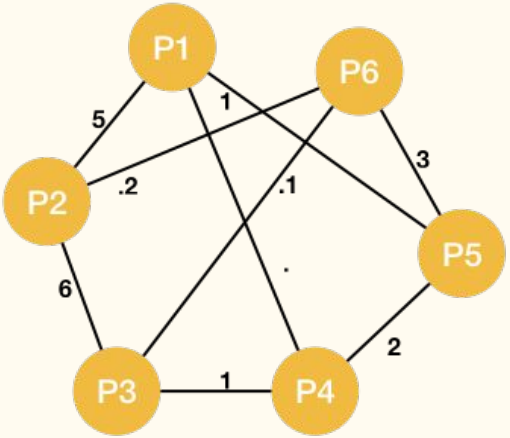


Modelnet-10

3D Point Cloud To Graph Representation

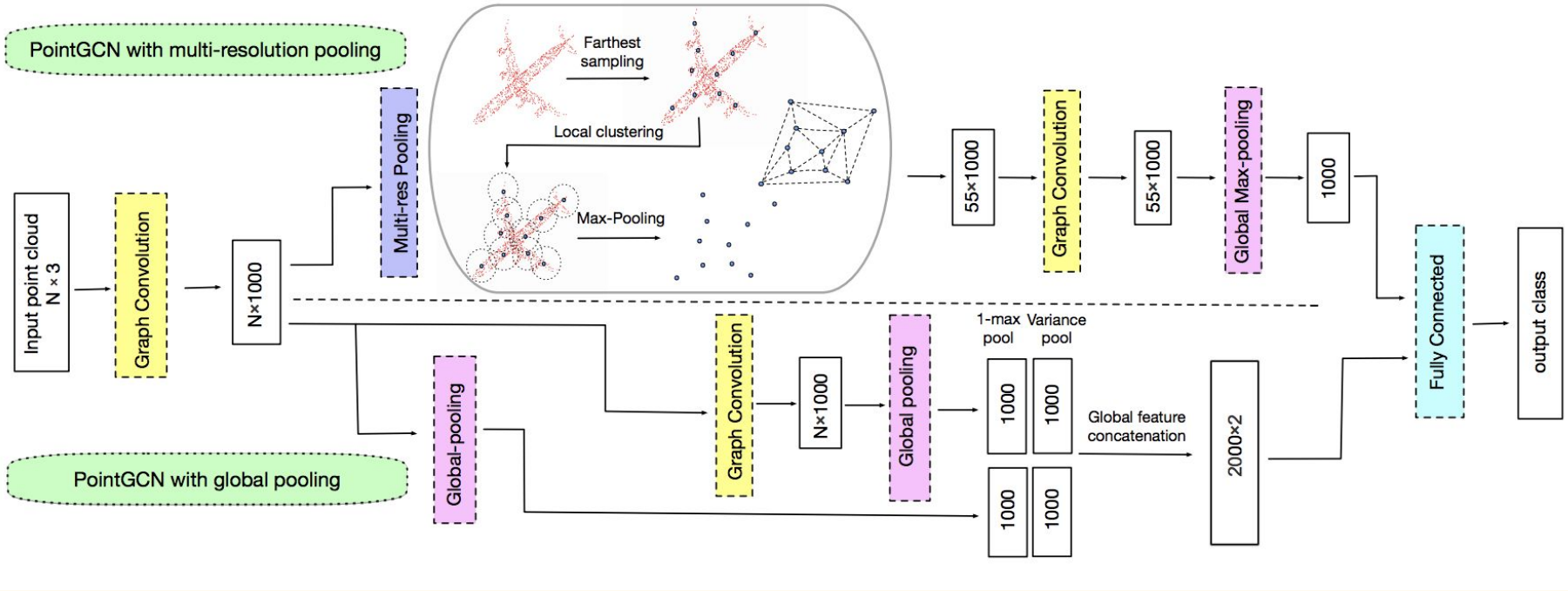




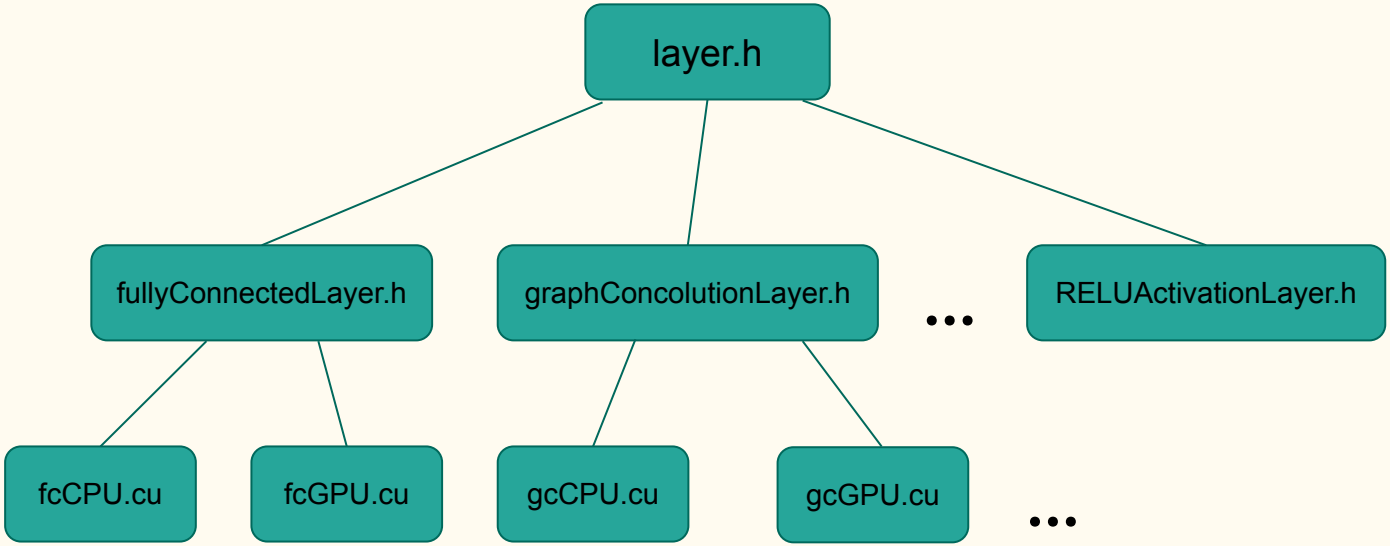


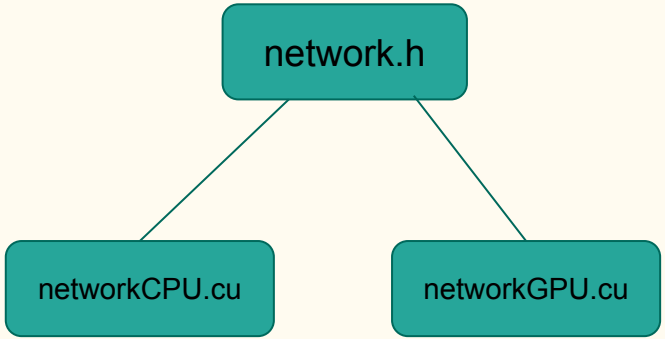
Adjacency Matrix

Laplacian Matrix



Model Architecture



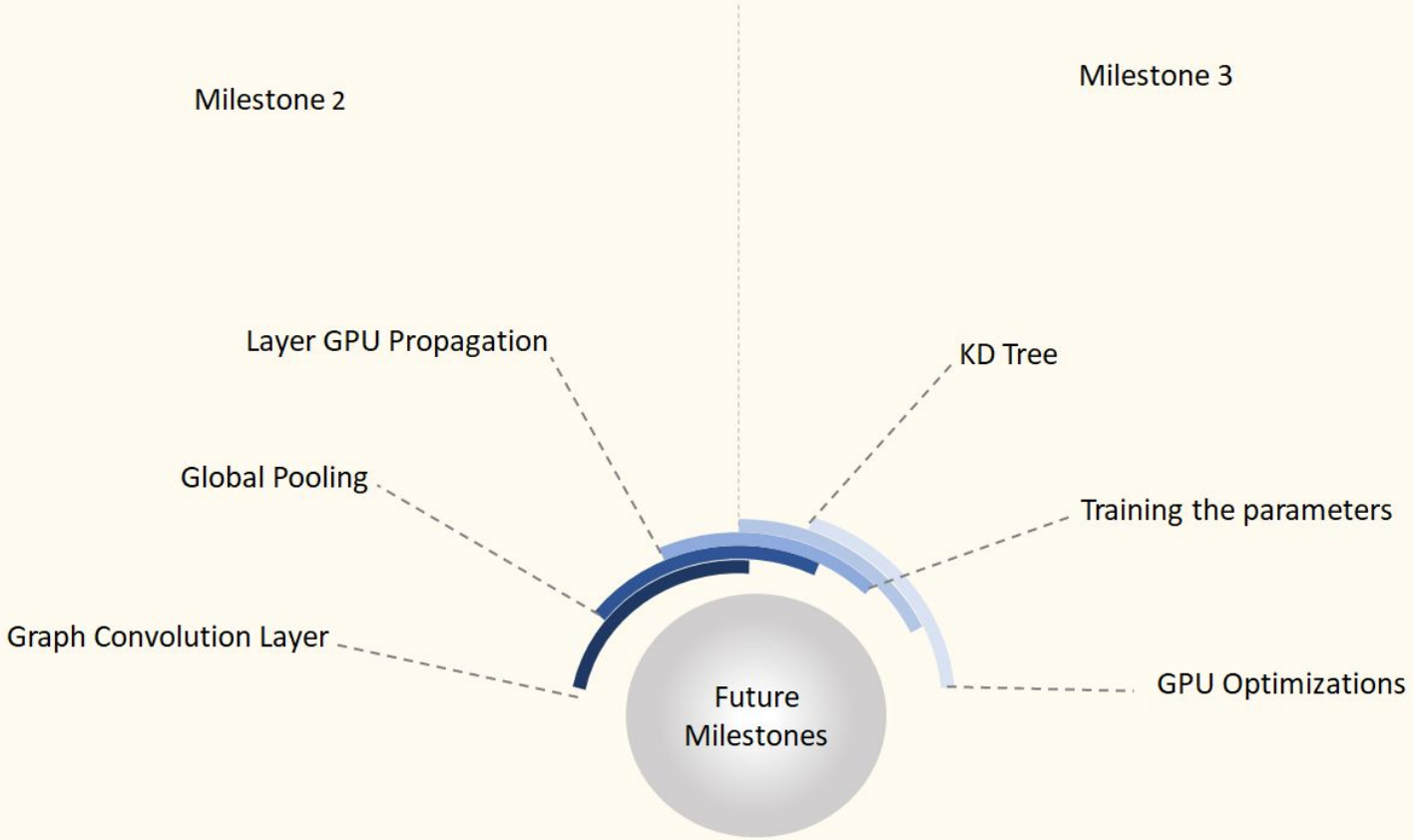


FRAMEWORK DESIGN

CPU Forward Implementation

- Fully Connected Layers
- Activation Layers
- Loss
- Network

Project Roadmap



Thank You