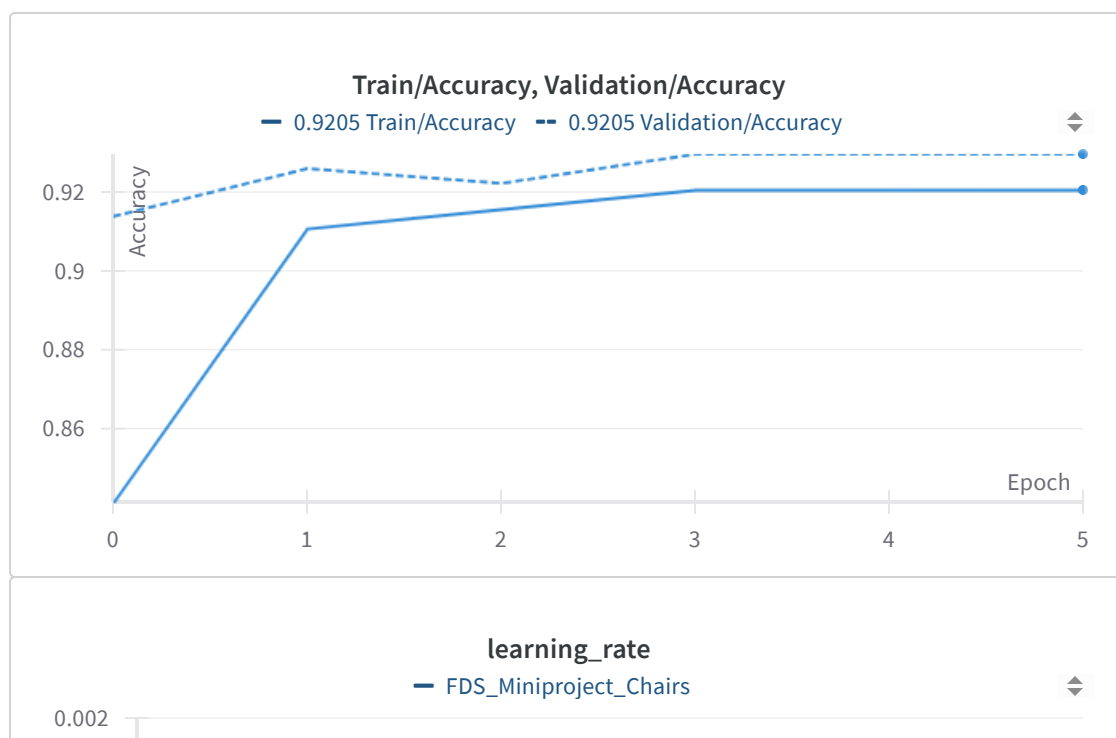


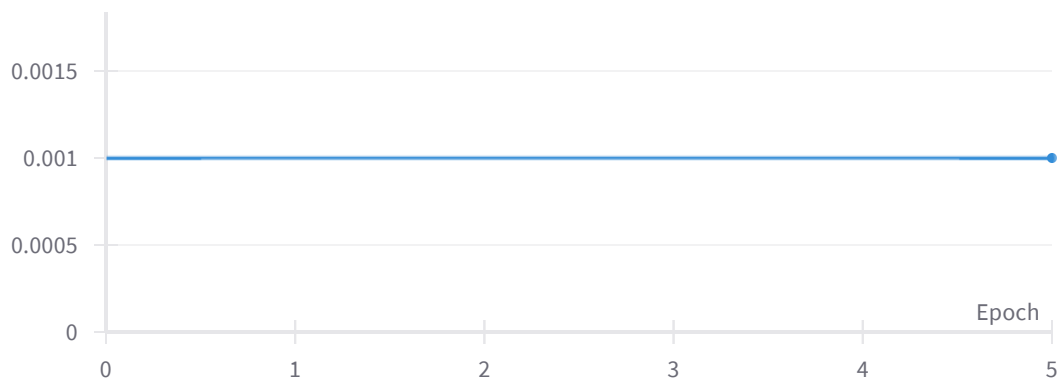
Dynamic Graph Convolutional Neural Network on ShapeNet's Chairs Class

DGCNN (Dynamic Graph Convolutional Neural Network) operates on ShapeNet's 3D Chairs class model using graph convolutions, extracting relationships among points. By discerning local and global features, it excels in 3D shape classification, segmentation, and retrieval tasks. Leveraging ShapeNet's diverse dataset, DGCNN demonstrates robust performance in understanding and processing complex 3D structures, establishing itself as a formidable model for tasks involving 3D object analysis and recognition.

Mirsha Morningstar

▼ Performance Metrics





FDS_Miniproject_Chairs

✖ META

runtime 1h 5m 35s

> CONFIG (19 collapsed)

✖ SUMMARY

Evaluation table-file

✖ Train

Accuracy 0.9205

IoU 0.8192

Loss 0.2464

✖ Validation

Accuracy 0.9297

IoU 0.8398

Loss 0.2053

_runtime 3927.847

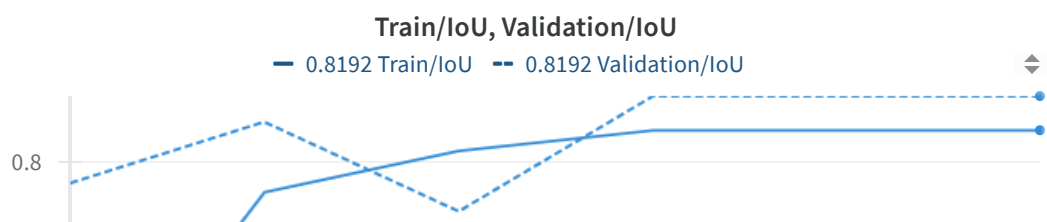
_step 5

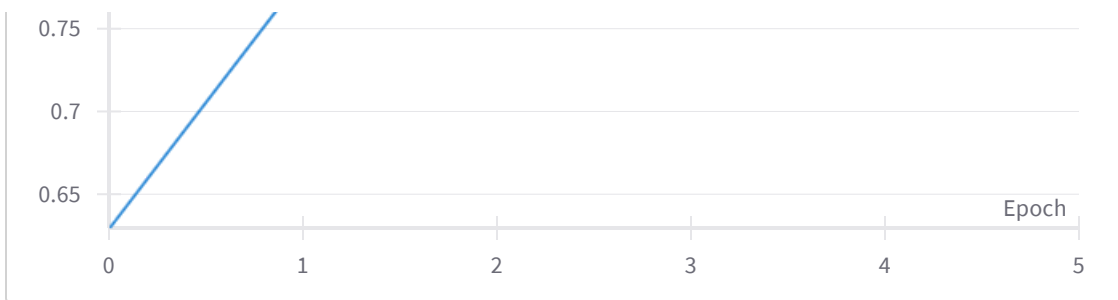
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✖ _wandb


runtime 3925

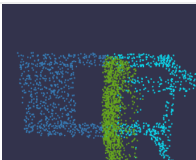
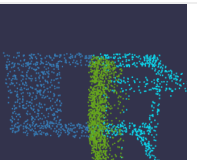
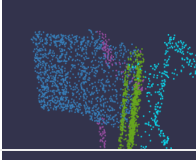
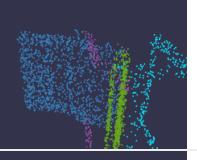
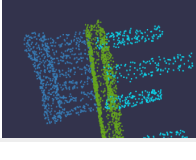
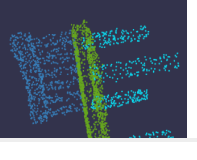
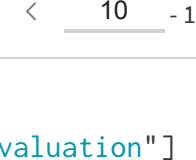
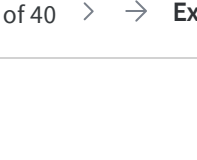
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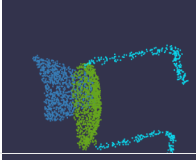
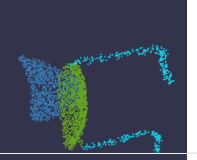
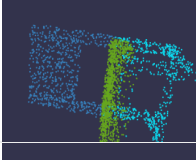
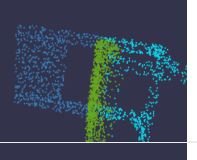


▼ Visualisation

`runs.summary["Evaluation"]` 

	Epoch	Ground-Truth	Prediction	Accuracy	IoU
10	1			0.9518	0.9077
	2			0.9323	0.8122
11	2			0.9134	0.8432
12	2				

≡ ≡ = - < < 10 - 12 of 40 > > Export as CSV Columns... Reset

`runs.summary["Evaluation"]` 

	Epoch	Ground-Truth	Prediction	Accuracy	IoU
19	2			0.9889	0.9752
	2			0.9492	0.9051
20	3			0.8632	0.7184

21



≡ ≡ = - < < 19 - 21 of 40 > > Export as CSV Columns... Reset

`runs.summary["Evaluation"]`



	Epoch	Ground-Truth	Prediction	Accuracy	IoU
26	3			0.958	0.9186
27	3			0.9528	0.6617
28	3			0.943	0.6586

≡ ≡ = - < < 26 - 28 of 40 > > Export as CSV Columns... Reset

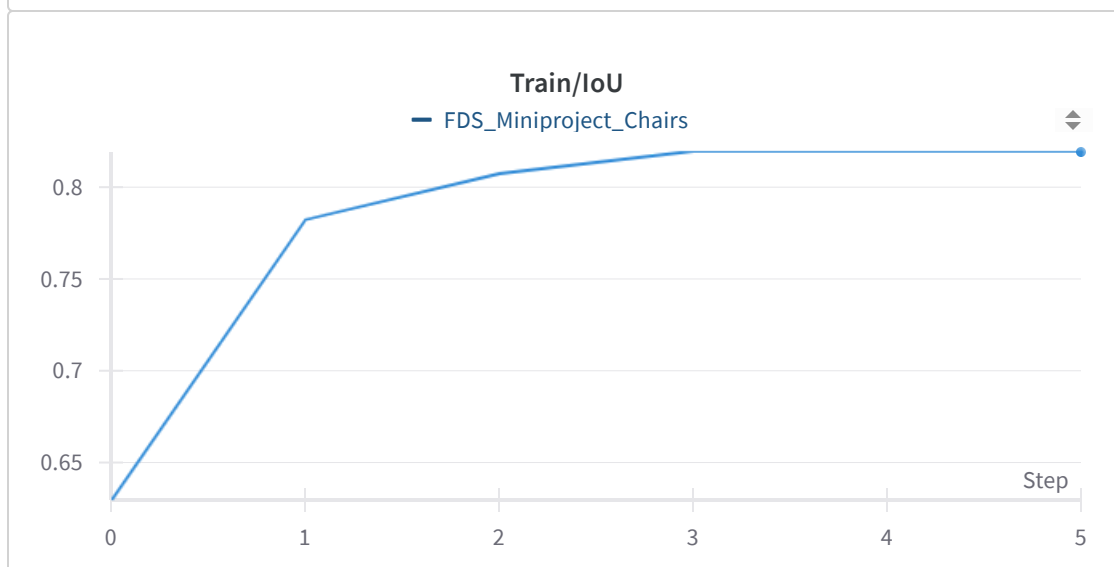
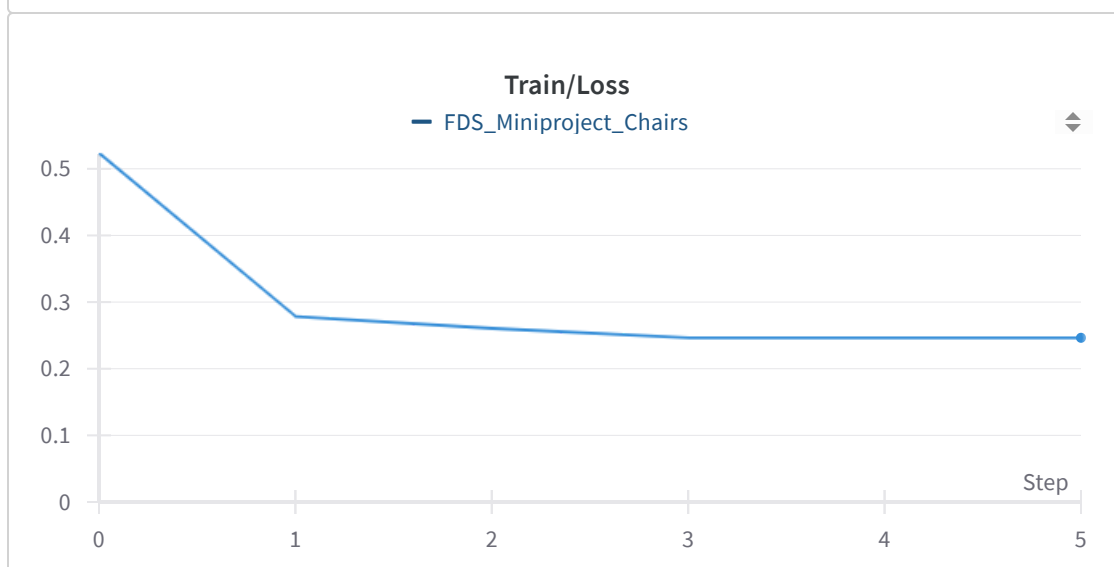
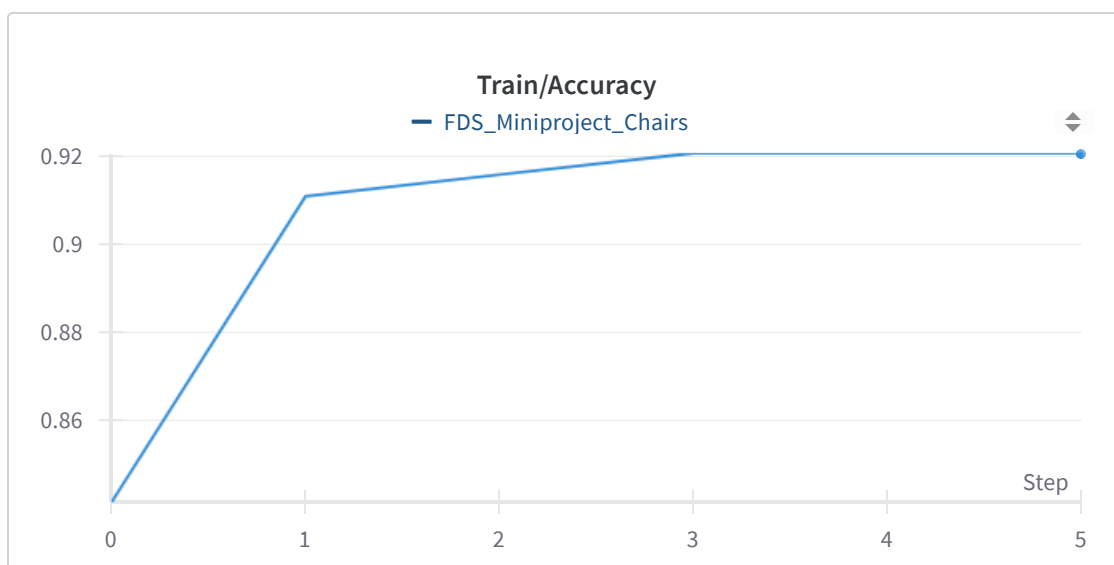
`runs.summary["Evaluation"]`

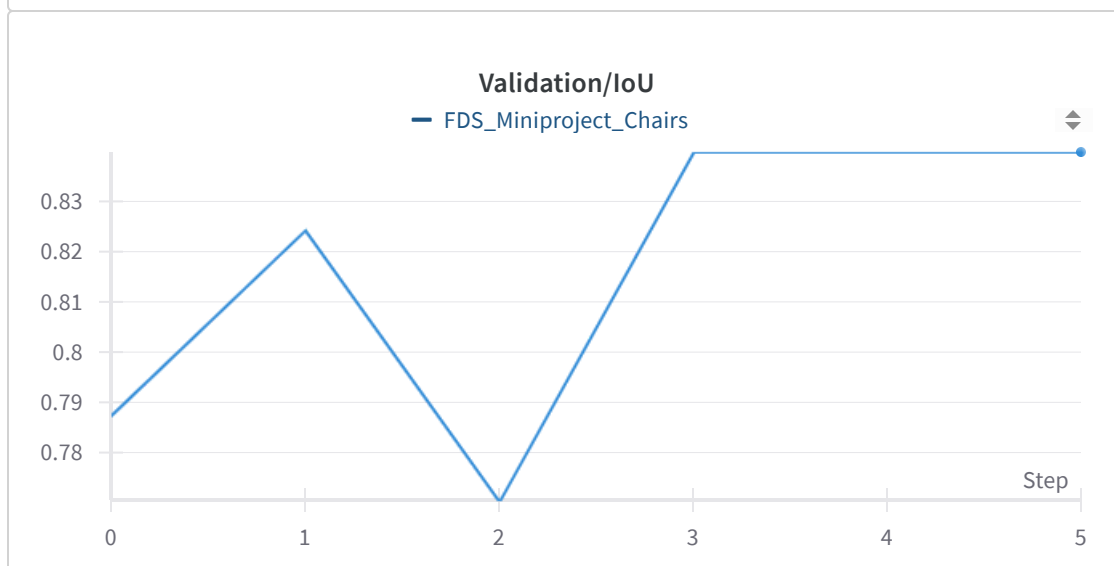
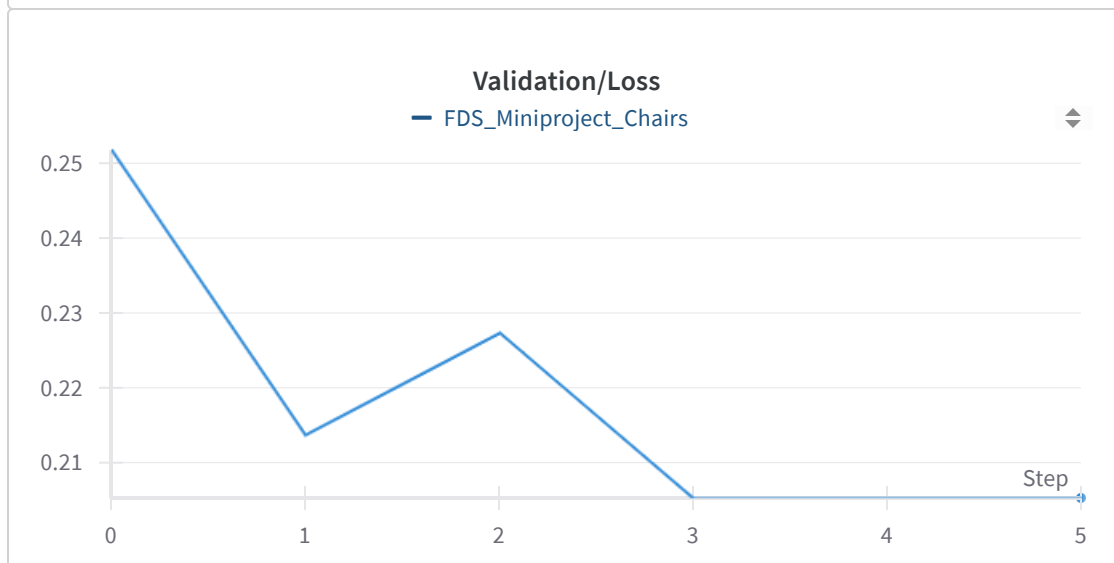
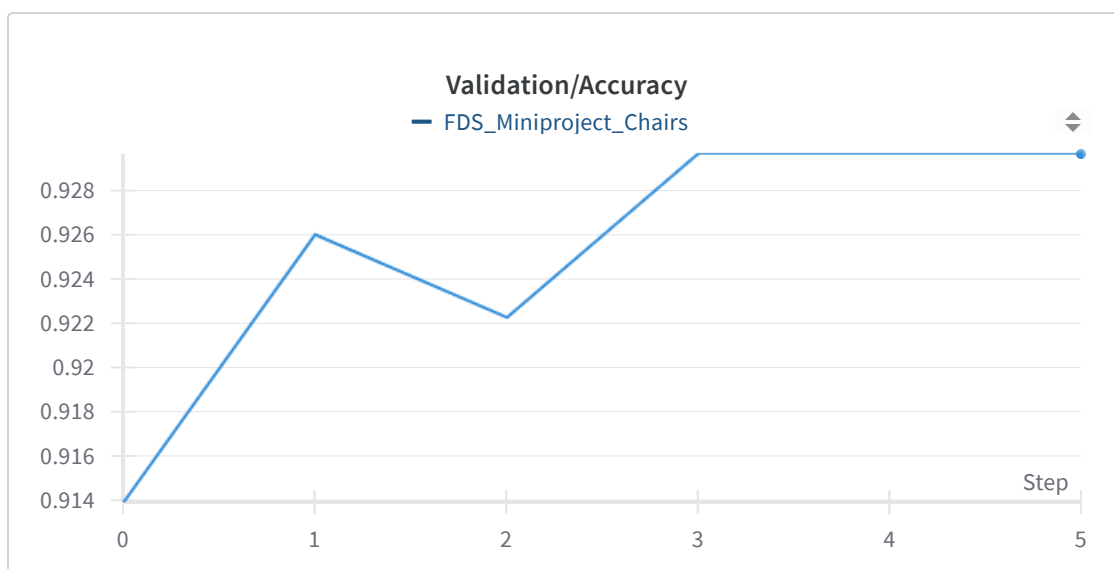


	Epoch	Ground-Truth	Prediction	Accuracy	IoU
38	4			0.9452	0.8836
39	4			0.9858	0.9728
40	4			0.9657	0.9354

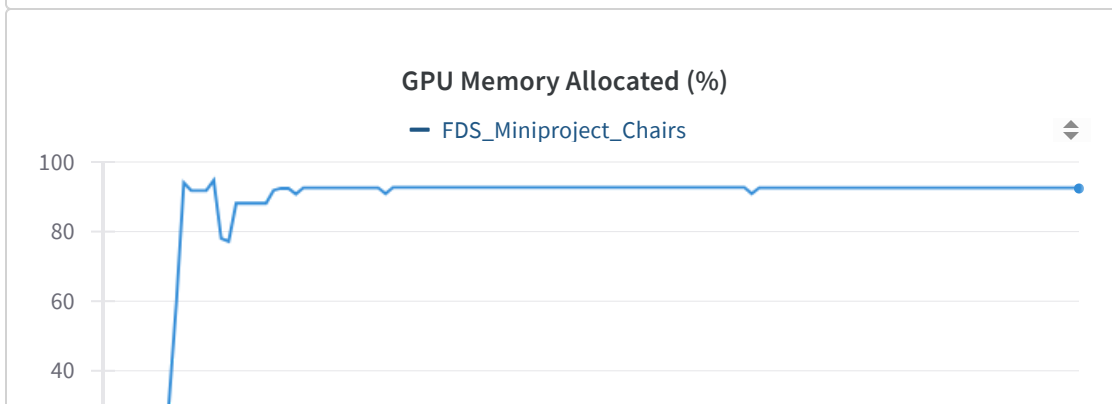
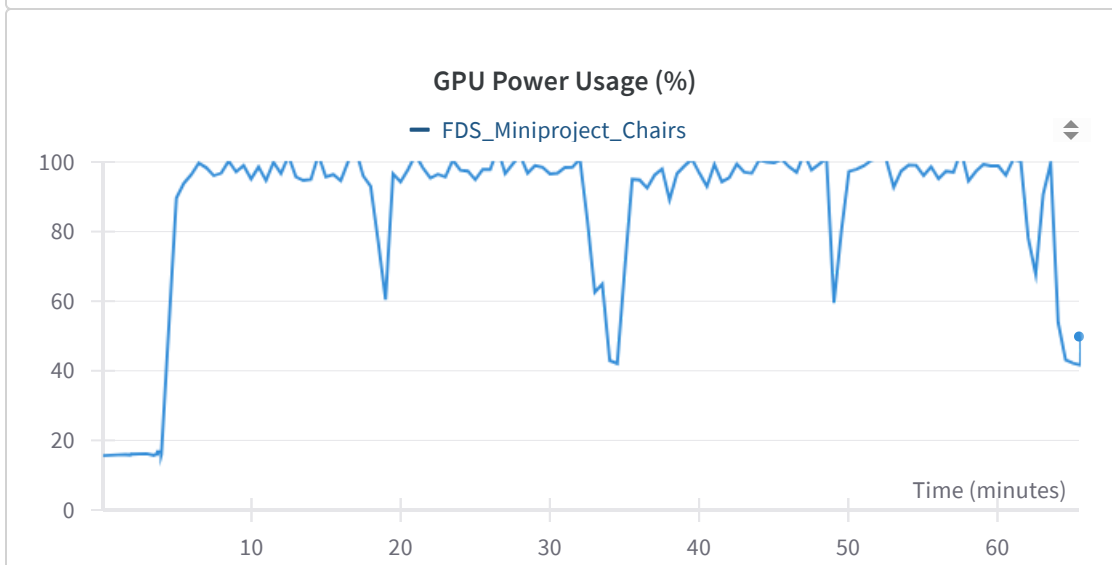
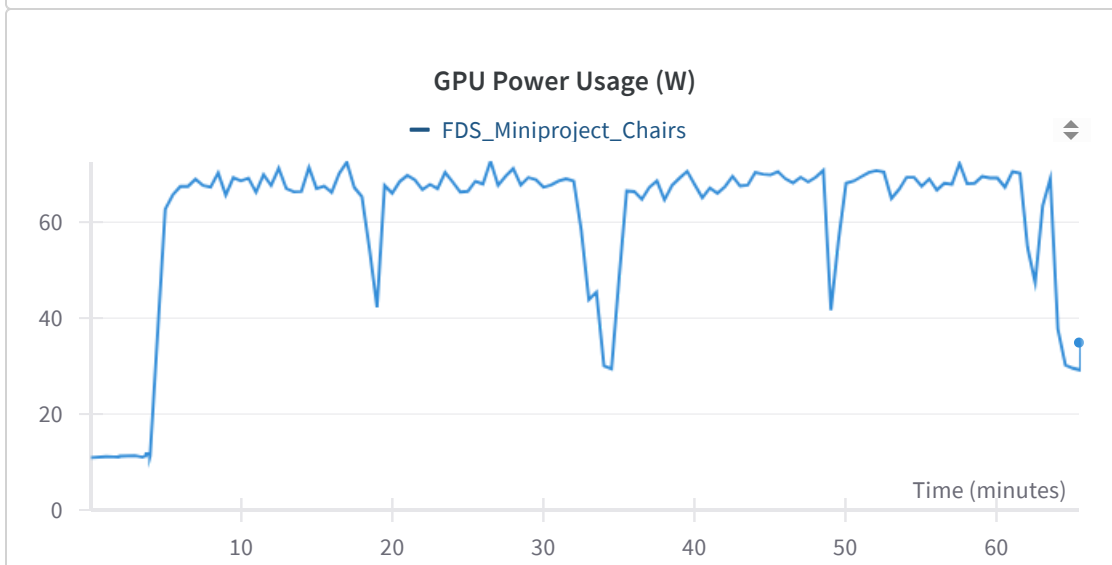
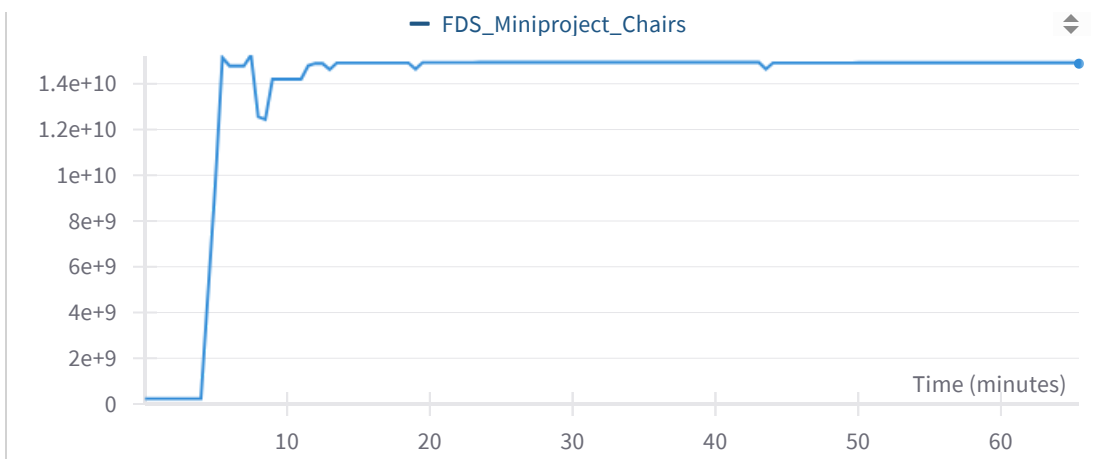
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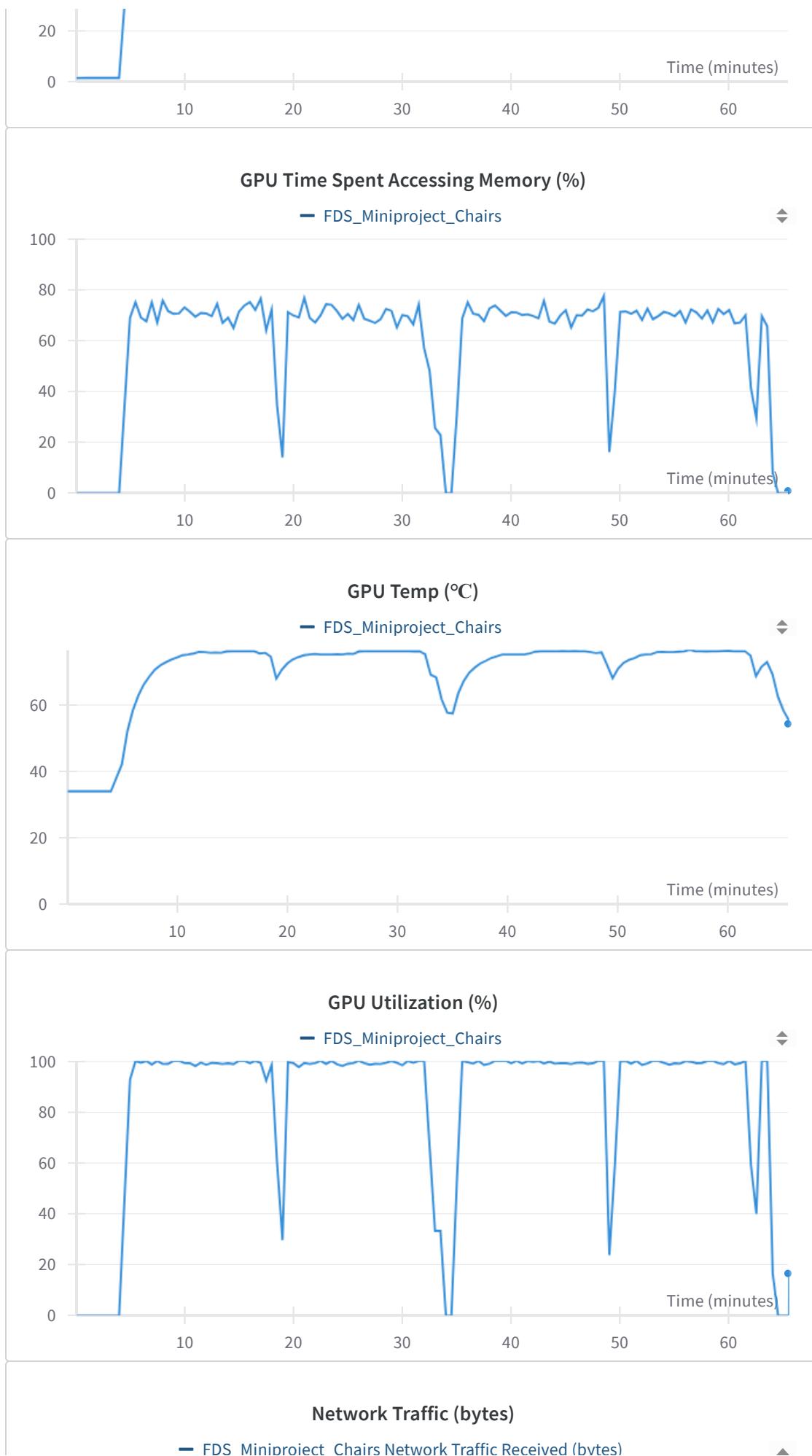
▼ Deeper Insights

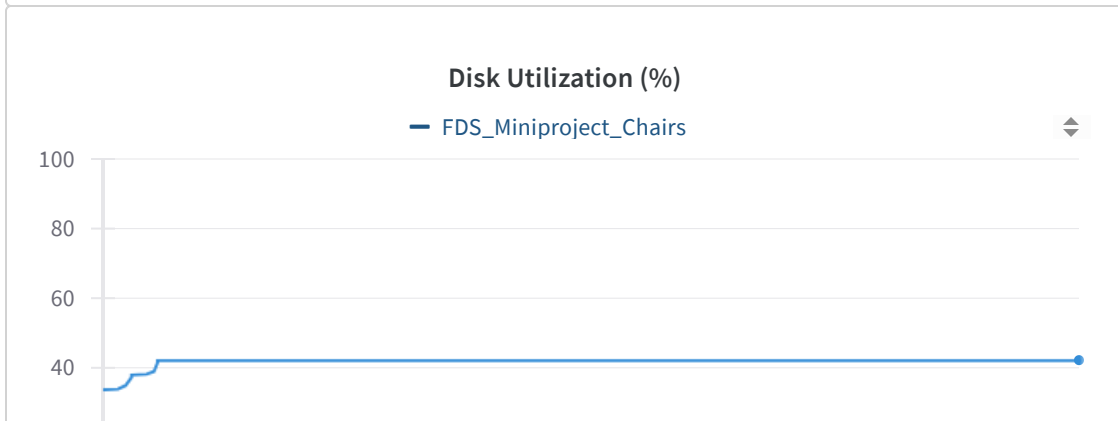
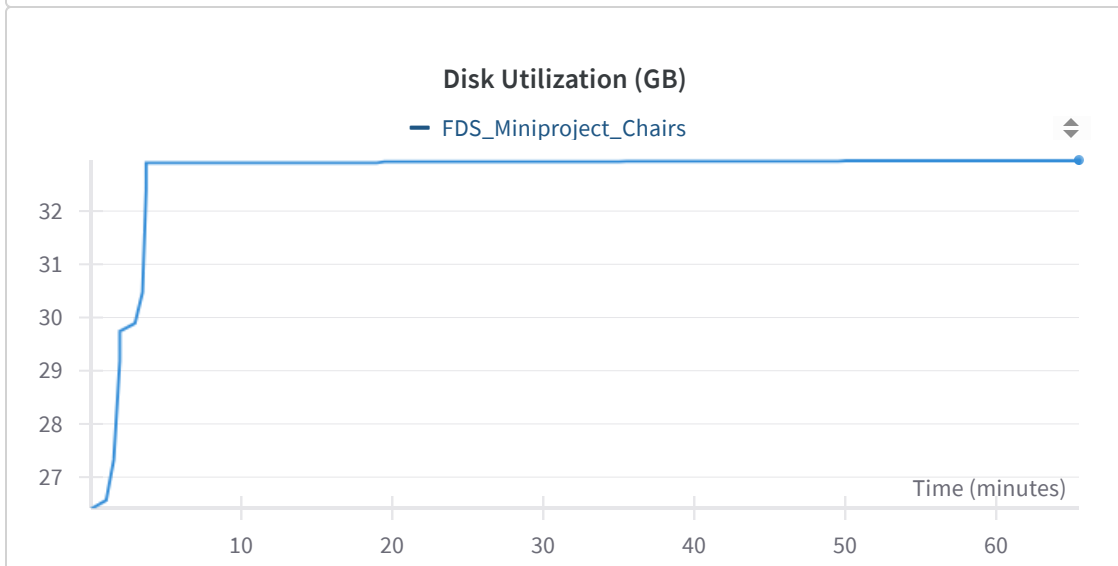
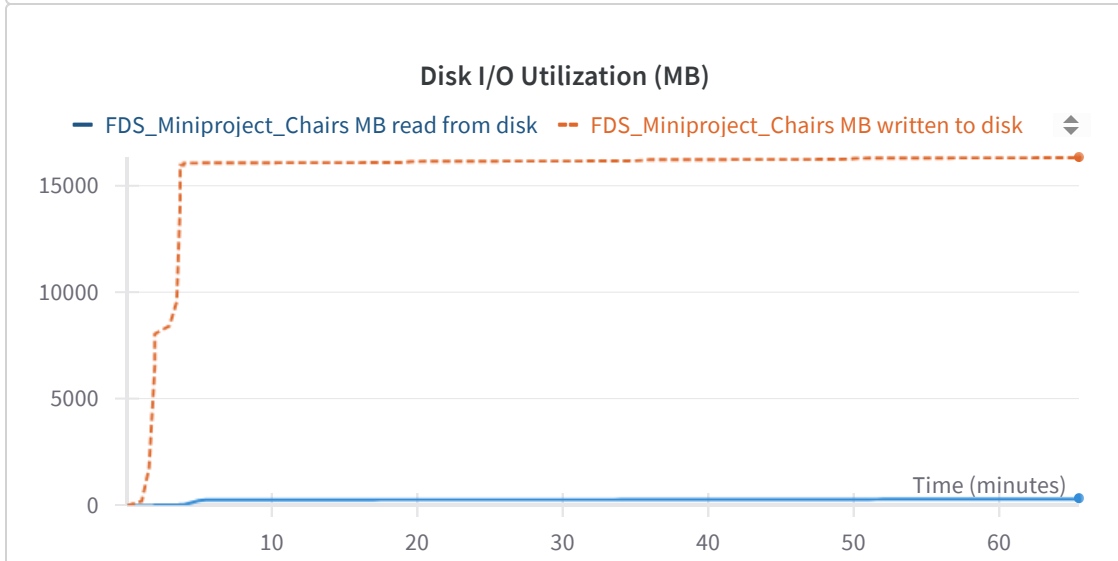
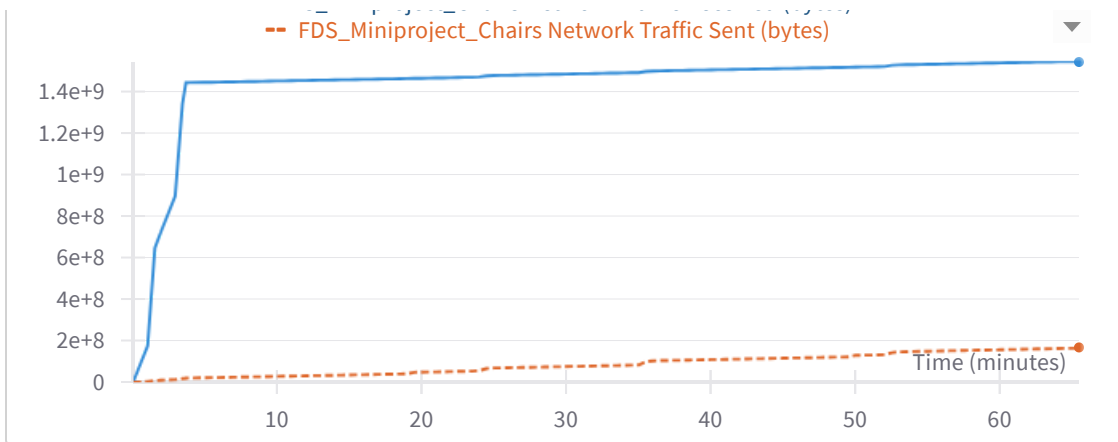


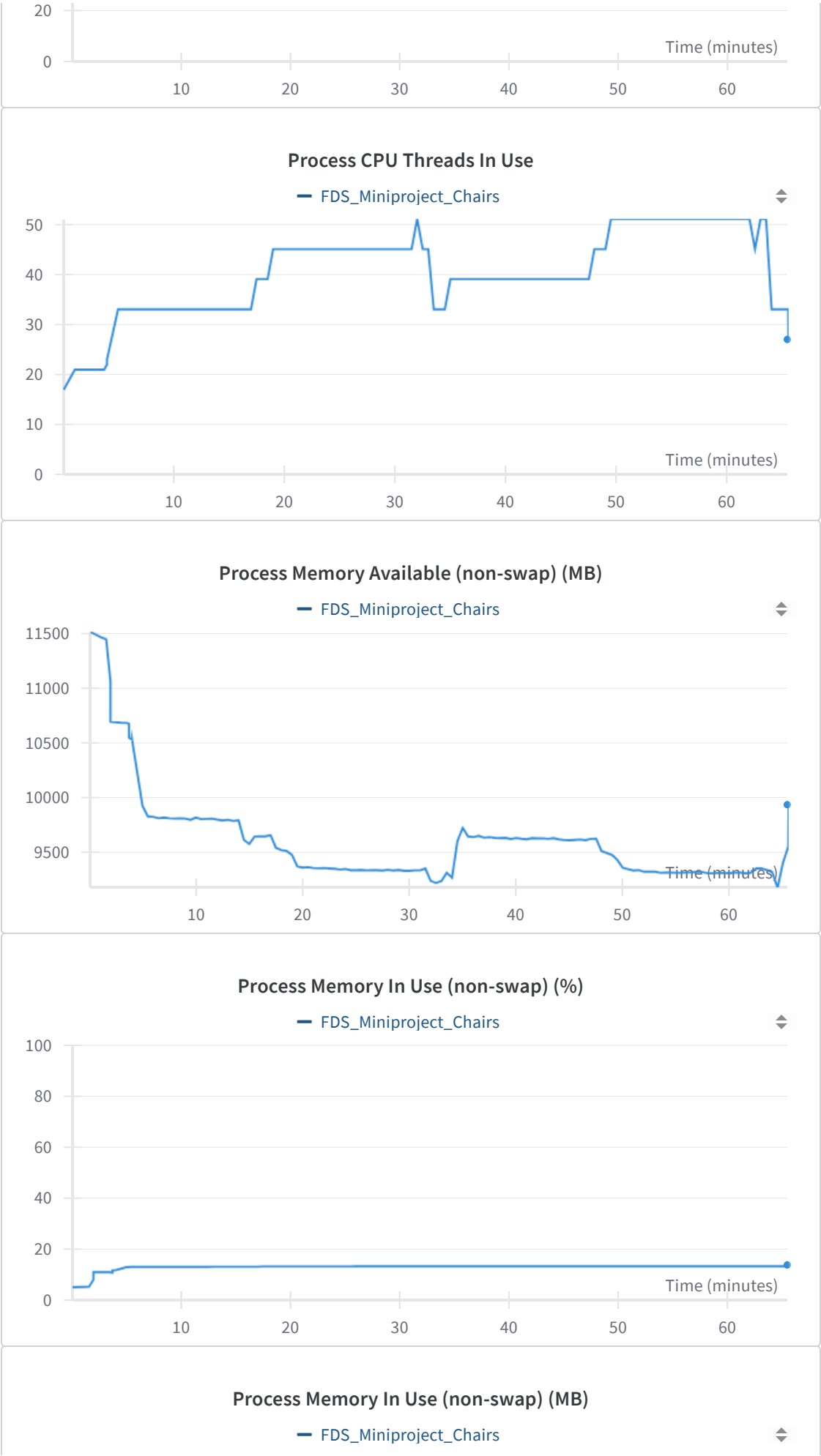


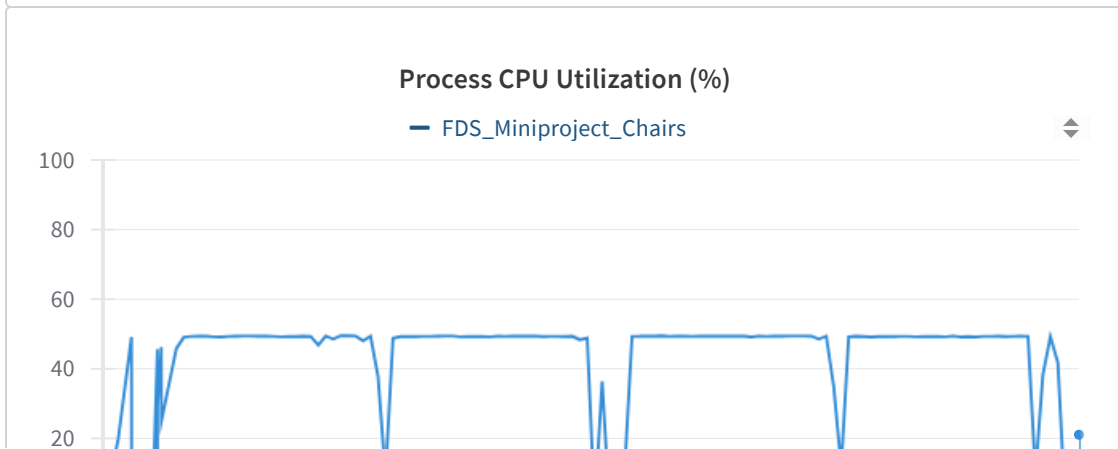
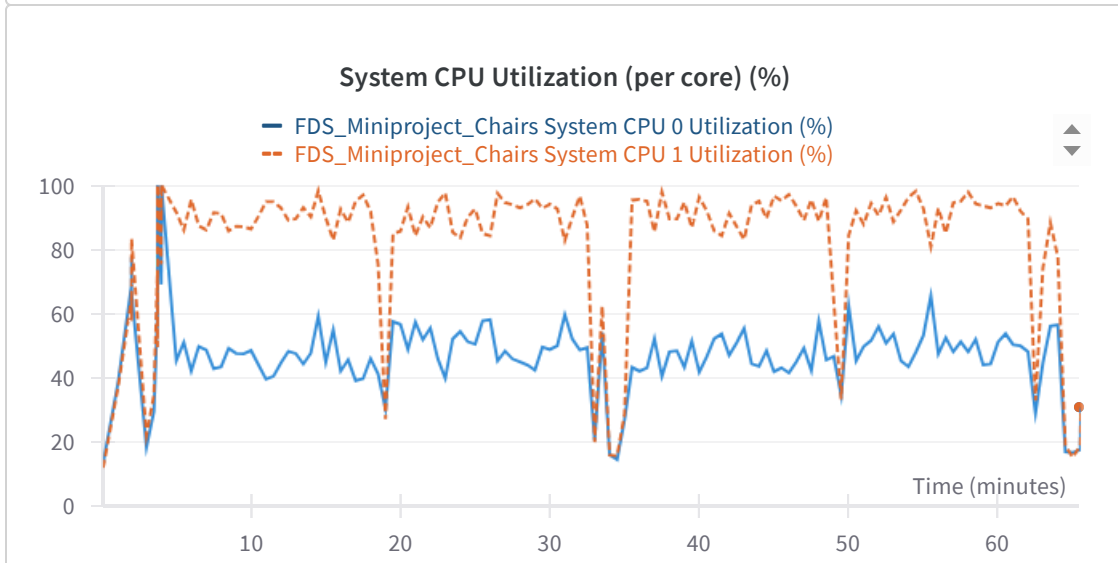
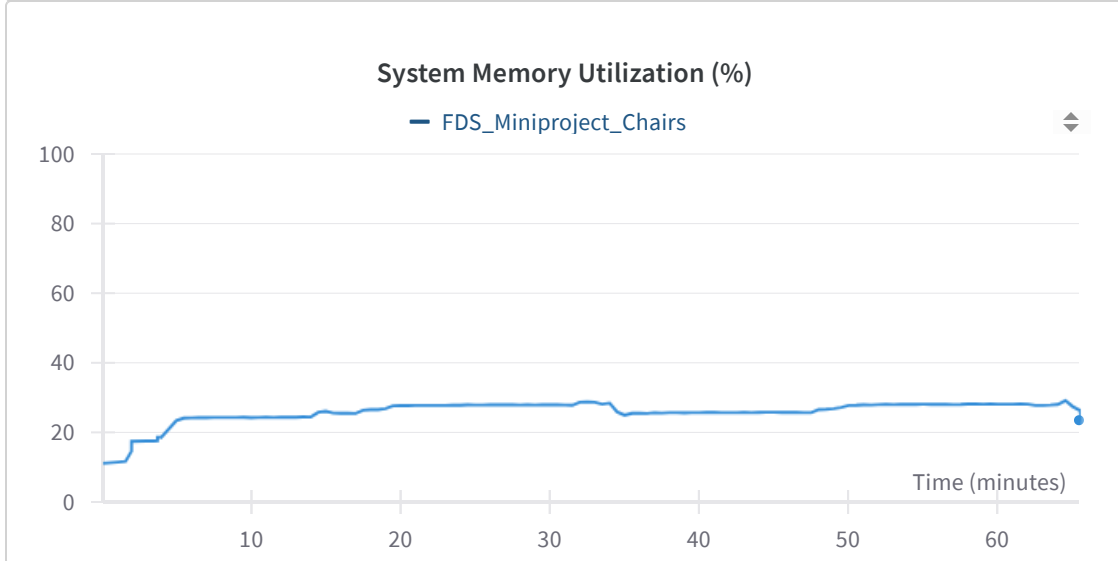
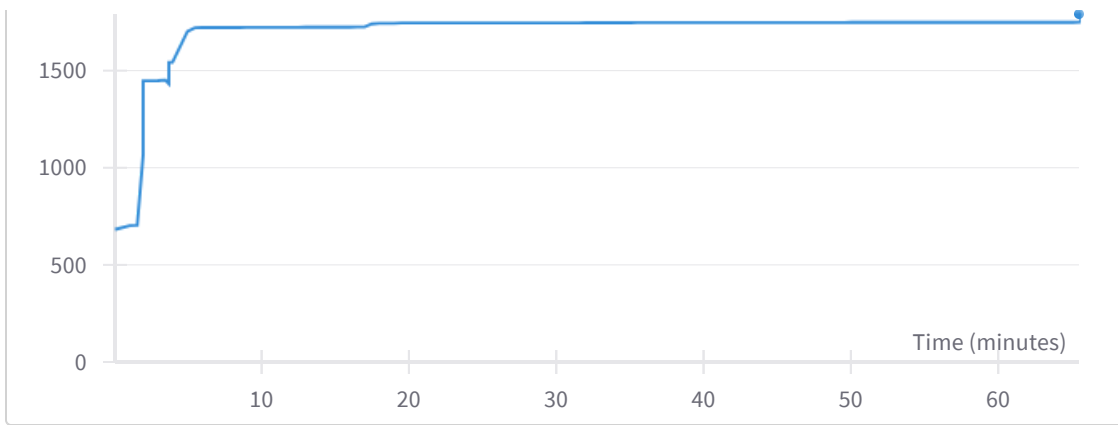
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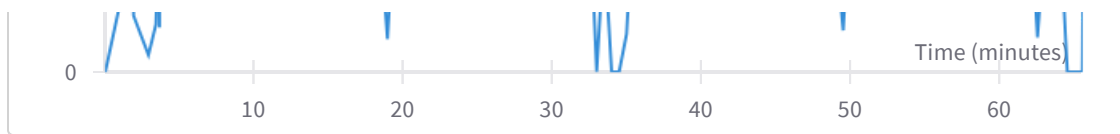












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https://wandb.ai/team-dubakur/FDS_Miniproject_Chairs/reports/Dynamic-Graph-Convolutional-Neural-Network-on-ShapeNet-s-Chairs-Class--Vmldzo2NTg5Mjcw