

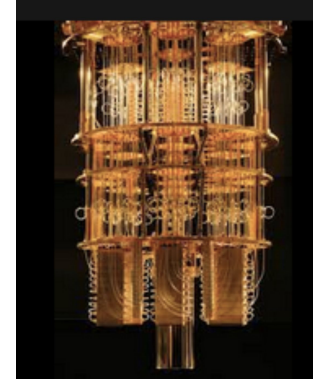
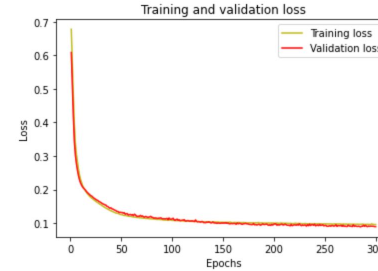
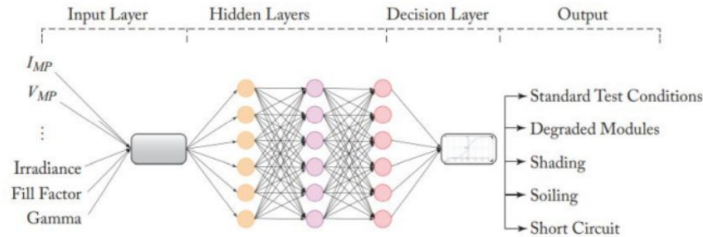
Classical and Quantum Machine Learning Comparisons for Solar Panel Fault Detection



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- ❑ Simulated dataset used for training and testing
- ❑ Ten features
- ❑ Multi Classification for five classes
- ❑ Classical models used
 - ❑ Logistic regression (LR)
 - ❑ Support Vector Machine (SVM)
 - ❑ Neural Network (NN)
- ❑ Hyperparameters tuned to optimize results
- ❑ Binary Quantum NN vs Binary Classical NN



	Degraded	Shaded	Soiled	SC	STC
Degraded	639	0	0	4	0
Shaded	7	408	21	57	209
Soiled	3	24	556	50	22
SC	6	44	33	479	85
STC	0	148	1	61	366
predicted label	Degraded	Shaded	Soiled	SC	STC
true label					

