

URLs	No. of entries	Total No. of entries	Percentage
Malicious	25065	97065	74.18
Normal	72000		25.82

Model	Training Time (s)	Inference Time (s)	Model Size (KB)	Accuracy	Precision	Recall	F1 Score	ROC-AUC
Deep learning Models								
LSTM (TensorFlow)	327.52	3.28	1981.04	0.9894	0.9846	0.9741	0.9793	0.9962
LSTM (PyTorch)	369.99	0.43	0.867	0.9274	0.8927	0.8154	0.8523	0.9797
Bidirectional LSTM (TF)	388.99	3.07	4178.34	0.9742	0.9742	0.9765	0.9754	0.9958
Bidirectional LSTM (PT)	634.18	1.08	0.867	0.9263	0.8741	0.8334	0.8533	0.9793
CNN (TensorFlow)	74.29	5.63	588.77	0.9868	0.9683	0.9808	0.9746	0.9957
CNN (PyTorch)	181.04	0.174	0.867	0.8316	0.6060	0.9854	0.7505	0.8779
Traditional Models								
Logistic Regression (SKL)	4.34	0.008	256.39	0.9940	0.9951	0.9817	0.9884	0.9996
Logistic Regression (TF)	13.99	1.35	27.57	0.8916	0.8255	0.7334	0.7767	0.8607
Logistic Regression (PT)	35.06	0.002	5.06	0.8569	0.6530	0.9452	0.7724	0.8657
Linear SVM (SKL)	4.34	0.008	256.25	0.9960	0.9964	0.9883	0.9923	0.9935
Linear SVM (TF)	20.86	0.71	26.87	0.8300	0.7700	0.4825	0.5932	0.7163
Linear SVM (PT)	50.10	0.004	0.867	0.6306	0.3922	0.7930	0.5248	0.6836