Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount("/content/drive", force_remount=True).

==== Training Random Forest Models for Each Dataset ====

- ◆ Training on NSLKDD dataset...
- ✓ NSLKDD dataset limited to 100000 rows.
 Class distribution in training set: {0: 35114, 1: 34886}
- © Random Forest Accuracy for NSLKDD: 0.9957

	precision	recall	f1-score	support
0	1.00	1.00	1.00	14887 15113
accuracy macro avg weighted avg	1.00	1.00	1.00 1.00 1.00	30000 30000 30000

- ◆ Training on UNSW NB15 dataset...
- ✓ UNSW_NB15 dataset limited to 100000 rows.
 Class distribution in training set: {0: 25278, 1: 44722}

	precision	recall	f1-score	support
0 1	1.00	1.00	1.00	10805 19195
accuracy macro avg weighted avg	1.00	1.00	1.00 1.00 1.00	30000 30000 30000

- ◆ Training on KDDCup dataset...
- ▼ KDDCup dataset limited to 100000 rows.
 Class distribution in training set: {0: 32, 1: 1, 3: 176, 4: 2, 5: 2, 6: 8724, 7: 48, 8: 14918, 10: 134, 11: 360, 12: 45577, 13: 8, 14: 18}
- Random Forest Accuracy for KDDCup: 0.9994
 precision recall f1-score support

	precision	recall	II-score	support
0	1.00	0.95	0.98	21
1	1.00	0.00	0.00	1
2	1.00	0.00	0.00	1
3	1.00	0.96	0.98	84
6	1.00	1.00	1.00	3795
7	0.92	0.88	0.90	26
8	1.00	1.00	1.00	6384
9	1.00	0.00	0.00	1
10	1.00	0.97	0.99	73

11		0.99	1.00	135
12		1.00	1.00	19466
13		1.00	1.00	1
14		0.50	0.67	12
accuracy macro avg weighted avg	0.99	0.71	1.00 0.73 1.00	30000 30000 30000

- ◆ Training on CICIDS2017 dataset...
- ✓ CICIDS2017 dataset limited to 100000 rows. Class distribution in training set: {0: 70000}
- precision recall f1-score support 0 1.00 1.00 1.00 30000 1.00 30000 accuracy 1.00 1.00 1.00 30000 macro avg 1.00 1.00 30000 weighted avg 1.00