

# Cyber Criminal Profiling - Summary Report

Selected Target Feature: Attacker type

Preprocessing Summary:

- Missing values filled as 'Unknown'
- Label Encoding applied to categorical columns.

Top 10 Selected Features:

- Attack type
- Attack vector
- Improper network segmentation
- Number of users affected
- Impact on data
- Level of digital intensity
- Organisation size
- Inappropriate remote access
- Absence of encryption
- Aspect of Confidentiality-Integrity-Availability triad affected

Model Performance:

- Accuracy: 97.9%

Classification Report:

	precision	recall	f1-score	support
Cybercriminal group	0.97	0.96	0.97	149
Insider or Physical theft	0.99	1.00	0.99	157
Nation-state actor	1.00	1.00	1.00	1
Phisher	0.95	0.97	0.96	75
Script kiddie or Hacker	0.96	0.96	0.96	56
Third-party	0.88	1.00	0.93	21
Unknown	0.99	0.98	0.98	541
accuracy		0.98	1000	
macro avg	0.96	0.98	0.97	1000

weighted avg	0.98	0.98	0.98	1000
--------------	------	------	------	------

Prediction Result: Unknown