

Singular Value Decomposition (SVD)							
Latent Factors (k)	RMSE	Precision	Recall	F1-Score			
100	0.9996	0	0	0			
50	0.9998	0	0	0			
150	0.9994	1	0.0005	0.001			
200	0.9995	1	0.0005	0.001			
Alternating Least Squares (ALS)							
Rank	Regularization	Iterations	RMSE	Precision	Recall	F1-Score	
10	0.01	10	0.02	1	1	1	
10	1	10	0.02	1	1	1	
20	0.01	10	0.02	1	1	1	
20	1	10	0.02	1	1	1	
10	0.01	10	0.02309	1	1	1	
Deep Learning							
Layers	Activation Function	Dropout Rate	Learning Rate	RMSE	Precision	Recall	F1-Score
3	ReLu	0.3	0.01	0.000002	1	1	1
3	ReLu	0.3	0.001	0.008	1	1	1
3	ReLu	0.5	0.01	0.01	1	1	1
3	ReLu	0.5	0.001	0.02	1	1	1