METRICS – RESULTS (ALL MODELS)

TYPE	ALGO	LABEL	PRECISION	RECALL	ACCURACY	ACC AVG	F1 SCORE
TF - IDF	LR	TOXIC	0.8956	0.5978	0.9548	0.81385	0.7170
		SEVERE_TOXIC	0.557	0.2586	0.9907		0.3593
		OBSCENE	0.9133	0.6140	0.9761		0.7343
		THREAT	0.7059	0.1622	0.9979		0.2637
		INSULT	0.8315	0.5074	0.9699		0.6302
		IDENTITY_HATE	0.9566	0.1497	0.9916		0.2465
TF-IDF	NB	TOXIC	0.8869	0.4977	0.9458	0.9741	0.6376
		SEVERE_TOXIC	0.3294	0.3520	0.9863		0.3404
		OBSCENE	0.8952	0.5230	0.9711		0.6603
		THREAT	0.0040	0.0135	0.9900		0.0062
		INSULT	0.8035	0.4560	0.9668		0.5818
		IDENTITY_HATE	0.1033	0.0850	0.9848		0.0933
TF-IDF	AB	TOXIC	0.86670	0.52978	0.94717	0.9775	0.65760
		SEVERE_TOXIC	0.45198	0.24922	0.98941		0.32129
		OBSCENE	0.89686	0.58309	0.97399		0.70671
		THREAT	0.34091	0.20270	0.99724		0.25424
		INSULT	0.48529	0.45539	0.96697		0.58241
		IDENTITY_HATE	0.48529	0.22449	0.99066		0.30698
TF-IDF	GB	TOXIC	0.6801	0.6401	0.9367	0.9624	0.6595
		SEVERE_TOXIC	0.2130	0.7850	0.9687		0.3351

		OBSCENE	0.7247	0.7627	0.9717		0.7432
		THREAT	0.0713	0.7162	0.9777		0.1297
		INSULT	0.5890	0.7051	0.9602		0.6418
		IDENTITY_HATE	0.1538	0.7415	0.9601		0.2548
TF-IDF	LSTM	TOXIC	0.0000	0.0000	0.9042	0.9630	0.0000
		SEVERE_TOXIC	0.0000	0.0000	0.9899		0.0000
		OBSCENE	0.0000	0.0000	0.9463		0.0000
		THREAT	0.0000	0.0000	0.9977		0.0000
		INSULT	0.0000	0.0000	0.9494		0.0000
		IDENTITY_HATE	0.0000	0.0000	0.9908		0.0000
TF-IDF	BI-LSTM	TOXIC	0.0000	0.0000	0.9042	0.9630	0.0000
		SEVERE_TOXIC	0.0000	0.0000	0.9899		0.0000
		OBSCENE	0.0000	0.0000	0.9463		0.0000
		THREAT	0.0000	0.0000	0.9977		0.0000
		INSULT	0.0000	0.0000	0.9494		0.0000
		IDENTITY_HATE	0.0000	0.0000	0.9908		0.0000
Word2Vec	LR	TOXIC	0.8208	0.5501	0.9454	0.9761	0.6587
		SEVERE_TOXIC	0.4839	0.2336	0.9898		0.3151
		OBSCENE	0.8459	0.5347	0.9698		0.6552
		THREAT	0.3793	0.1486	0.9975		0.2136
		INSULT	0.7403	0.4257	0.9634		0.5405
		IDENTITY_HATE	0.5072	0.1190	0.9908		0.1928
Word2Vec	NB	TOXIC	0.3249	0.6368	0.8385	0.8783	0.4303

		SEVERE_TOXIC	0.0759	0.7695	0.9034		0.1381
		OBSCENE	0.2271	0.6630	0.8606		0.3383
		THREAT	0.0182	0.7568	0.9046		0.0355
		INSULT	0.2308	0.6766	0.8696		0.3442
		IDENTITY_HATE	0.0539	0.6361	0.8937		0.0993
Word2Vec	AB	TOXIC	0.7339	0.5334	0.9368	0.9734	0.6178
		SEVERE_TOXIC	0.4404	0.2648	0.9892		0.3307
		OBSCENE	0.7342	0.4945	0.9632		0.5909
		THREAT	0.2683	0.1486	0.9971		0.1913
		INSULT	0.7204	0.5012	0.9649		0.5912
		IDENTITY_HATE	0.3534	0.1395	0.9897		0.1395
Word2Vec	GB	TOXIC	0.8104	0.5092	0.9416	0.9754	0.6254
		SEVERE_TOXIC	0.5259	0.2212	0.9902		0.3114
		OBSCENE	0.8354	0.4735	0.9667		0.6044
		THREAT	0.1935	0.0811	0.9971		0.1143
		INSULT	0.7844	0.4486	0.9659		0.5708
		IDENTITY_HATE	0.6250	0.0850	0.9911		0.1497
Word2Vec	LSTM	TOXIC	0.7915	0.0733	0.9094	0.9647	0.1342
		SEVERE_TOXIC	0.0	0.0	0.9899		0.0
		OBSCENE	0.7922	0.0711	0.9491		0.1306
		THREAT	0.0	0.0	0.9977		0.0
		INSULT	0.7440	0.0576	0.9513		0.1070
		IDENTITY_HATE	0.0	0.0	0.9908		0.0

Word2Vec	BI-LSTM	TOXIC	0.7403	0.2238	0.9182	0.9680	0.3437
		SEVERE_TOXIC	0.5200	0.0405	0.9900		0.0751
		OBSCENE	0.7241	0.2571	0.9548		0.3795
		THREAT	0.0000	0.0000	0.9977		0.0000
		INSULT	0.7303	0.2299	0.9568		0.3497
		IDENTITY_HATE	0.0000	0.0000	0.9908		0.0000