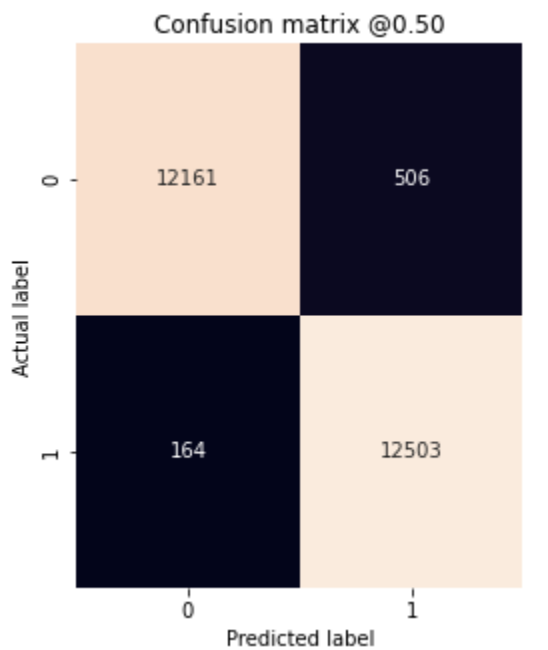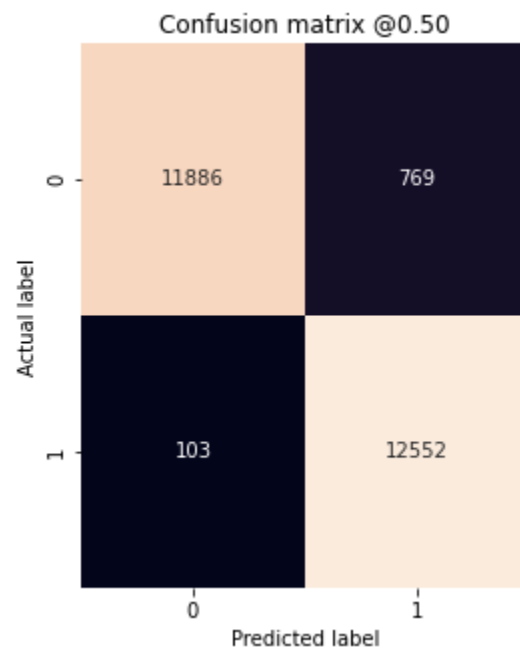# SUMMARY OF MODELS

APPROACH	MODEL	WRONLY CLASSIFIED NON-INJURED (TYPE-1 ERROR)	WRONLY CLASSIFIED INJURED (TYPE-2 ERROR)	ACCURACY SCORE	PRECISION	RECALL	F1-SCORE
DAY	DNN	841	1972	0.89	0.86	0.93	0.89
	KNN	103	769	0.97	0.94	0.99	0.97
	XGBOOST	125	2354	0.81	0.02	0.29	0.04
	RANDOM FOREST	208	7	0.99	1.00	0.98	0.99
WEEK	DNN	1488	4347	0.79	0.72	0.88	0.77
	KNN	164	506	0.97	0.96	0.99	0.97
	XGBOOST	117	1745	0.85	0.03	0.32	0.06

The KNN model was chosen out of the four models because it has better performance than the remaining models.

KNN-SMOTE-week-Approach Confusion Matrix

KNN-SMOTE-day-Approach Confusion Matrix