

Data size: 28x28x1

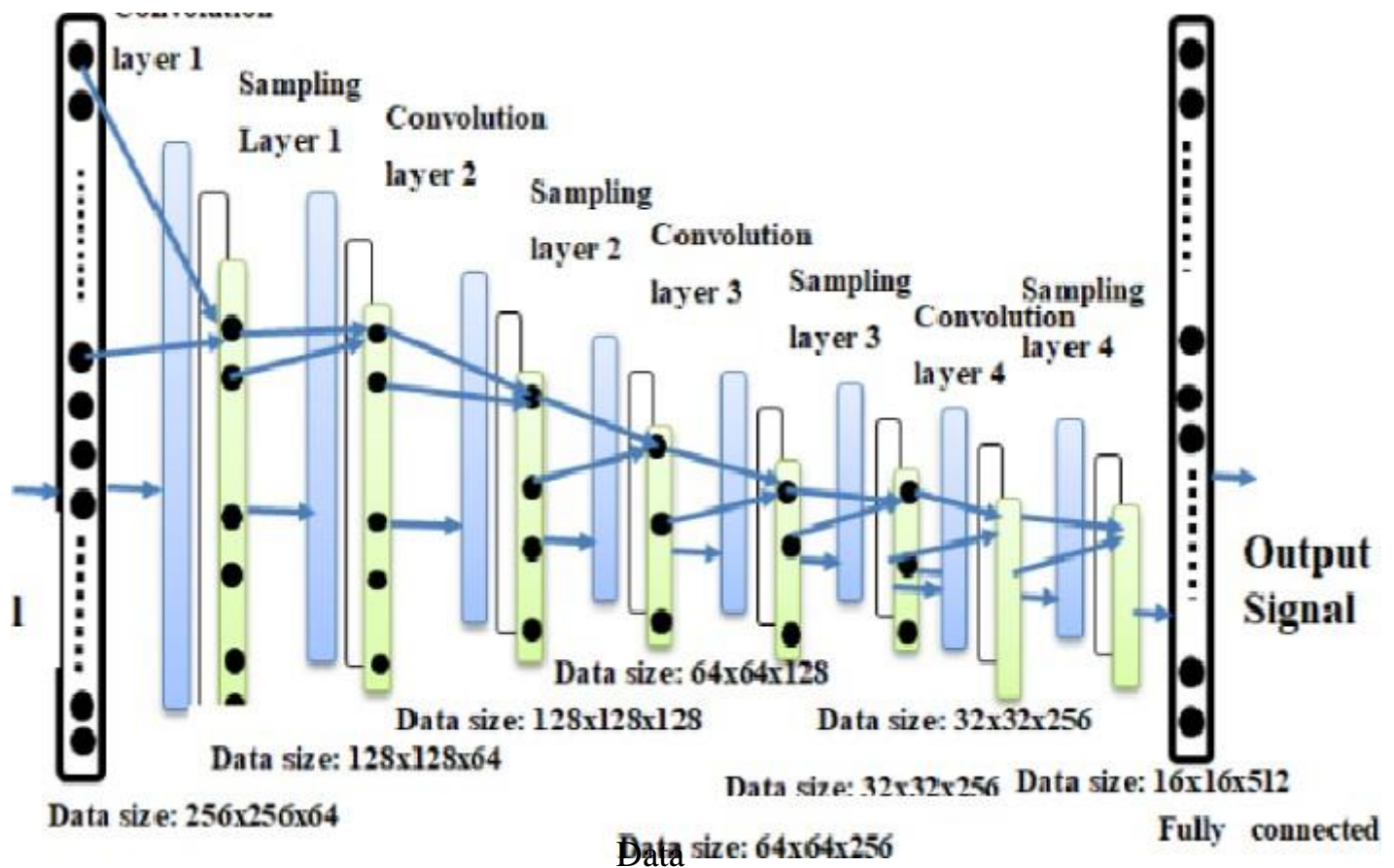
Convolution
Filter: 64

Convolution
Filter: 128

Comolution
Filter: 256

Convolution
Filter: 512

layer

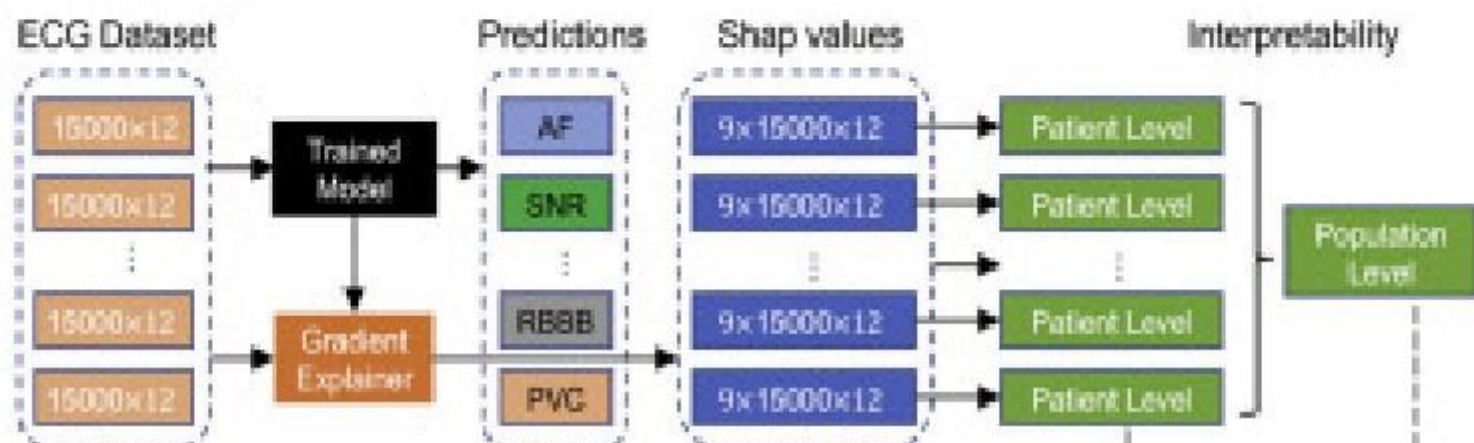


Input

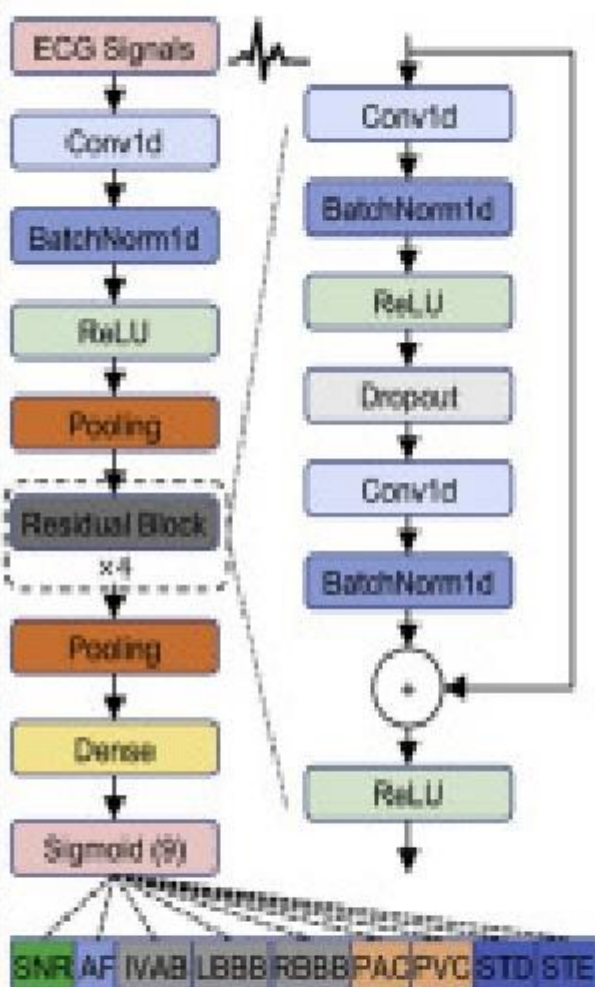
Signal Confusion matrix Of VGGNet: Accurac : 98.911%

NOR	99.0% 74784	1.9% 138	0.0% 3	0.2% 15	0.2% 17	2.9% 68	6.1% 27	0.0% 0
PVC	0.3% 200	96.6% 6887	0.0% 3	0.0% 3	0.1% 6	0.4% 9	4.8% 21	1.1% 1
PAB	0.0% 23	0.2% 16	99.9% 6986	0.0% 1	0.0% 0	0.1% 2	0.0% 0	0.0% 0
RBB	0.1% 107	0.1% 7	0.0% 0	99.7% 7136	0.0% 2	0.3% 8	0.0% 0	0.0% 0
LBB	0.1% 92	0.4% 29	0.0% 1	0.0% 0	99.7% 7949	0.0% 1	0.7% 3	0.0% 0
APC	0.3% 264	0.2% 15	0.0% 0	0.1% 5	0.0% 0	96.3% 2261	0.2% 1	0.0% 0
VFW	0.1% 45	0.5% 36	0.0% 1	0.0% 0	0.0% 1	0.0% 0	88.2% 389	0.0% 0
VEB	0.0% 12	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	98.9% 94
Target Class	NOR	PVC	PAB	RBB	LBB	APC	VFW	VEB

A Framework



B Model Architecture



C Interpretability

