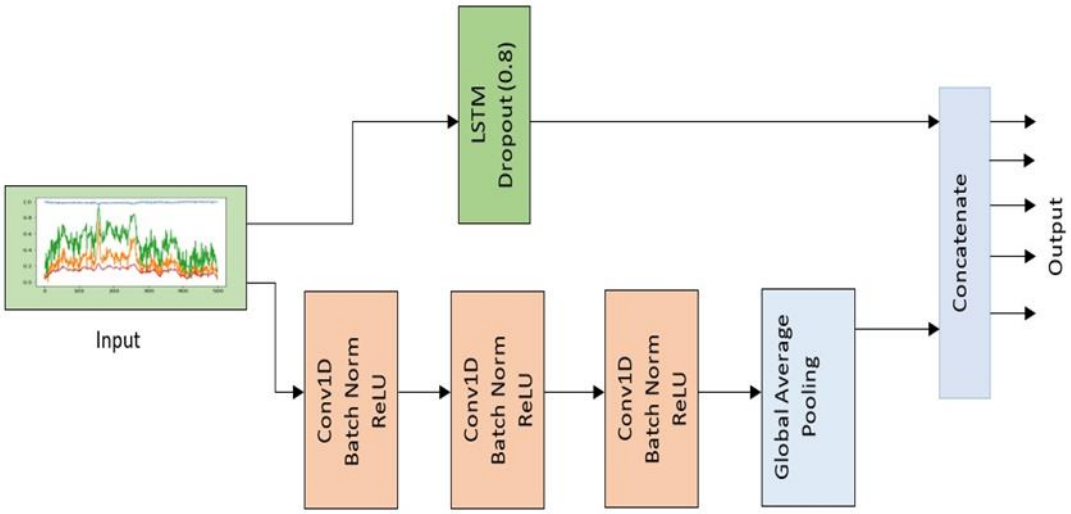
Model Architecture

The same architecture was used for both the cavity and fault type models.



Data Set Description

We used dataset B, C, D and some part of summer data E (first collection) to build the model. Tested the model using E(second collection, listed separately below).

	A	B	C	D	E
MCTO	66	111	862	473	259
Quench100ms	96	234	278	299	92
Quench3ms	51	160	330	198	44
Equench	99	106	469	805	112
HRC	71	13	636	37	17
Microphonics	160	265	284	593	96
Control	58	192	598	200	63
SCTO	52	561	270	282	205
Unknown	0	0	64	276	0
Total	653	1642	3791	3163	888
	01/18/2019-04/15/2019	11/25/2019-03/09/2020	07/11/2020-09/21/2020	08/01/2021-02/08/2022	5/01/2022-7/11/2022

Dataset E (07/11/2022-09/14/2022)	
Fault	Number
MCTO	117
Quench100ms	8
Quench_3ms	20
E_Quench	231
Heat Riser Choke	50
Microphonics	169
Controls Fault	35
Single Cav Turn off	115
Total	745