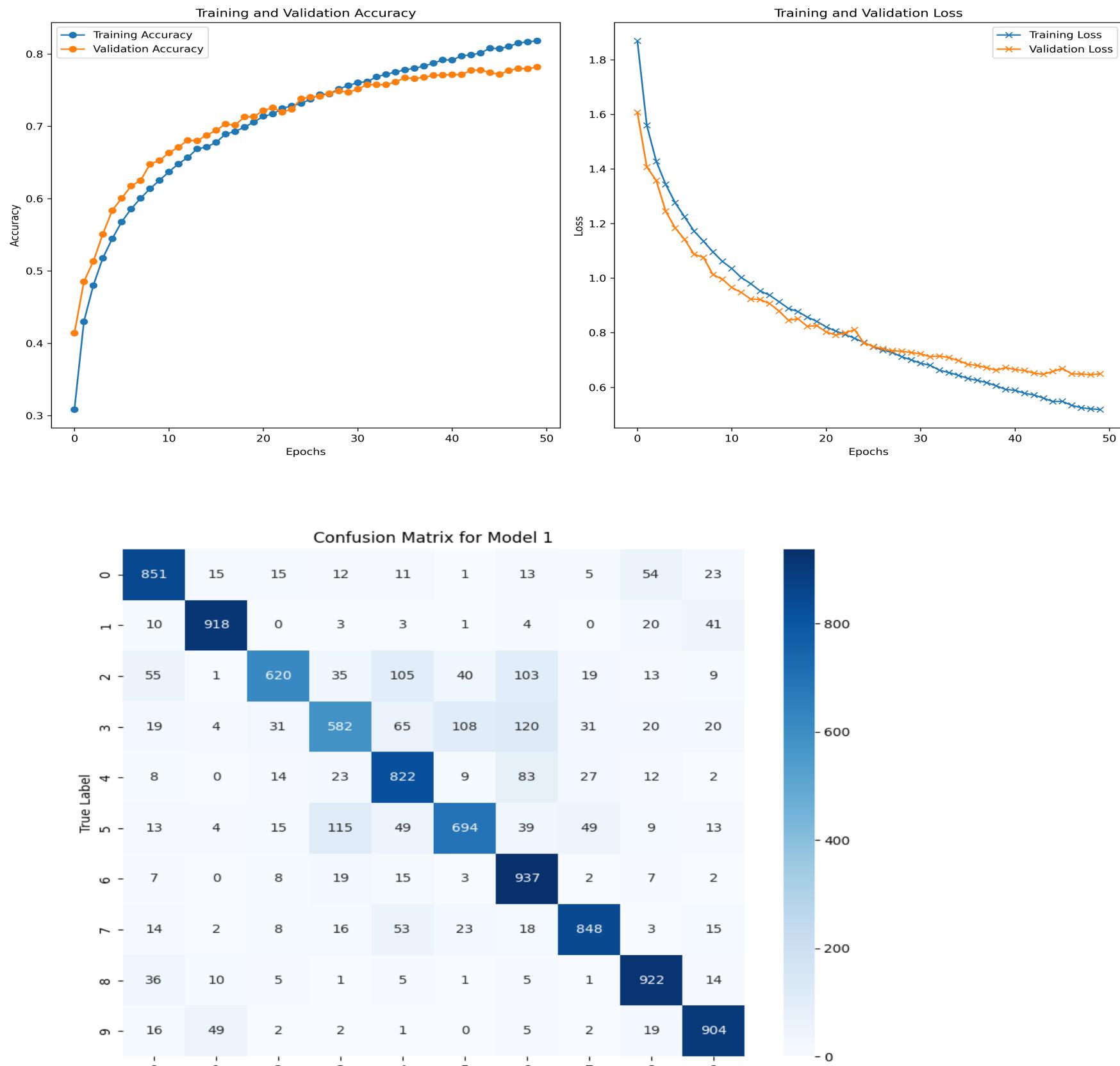


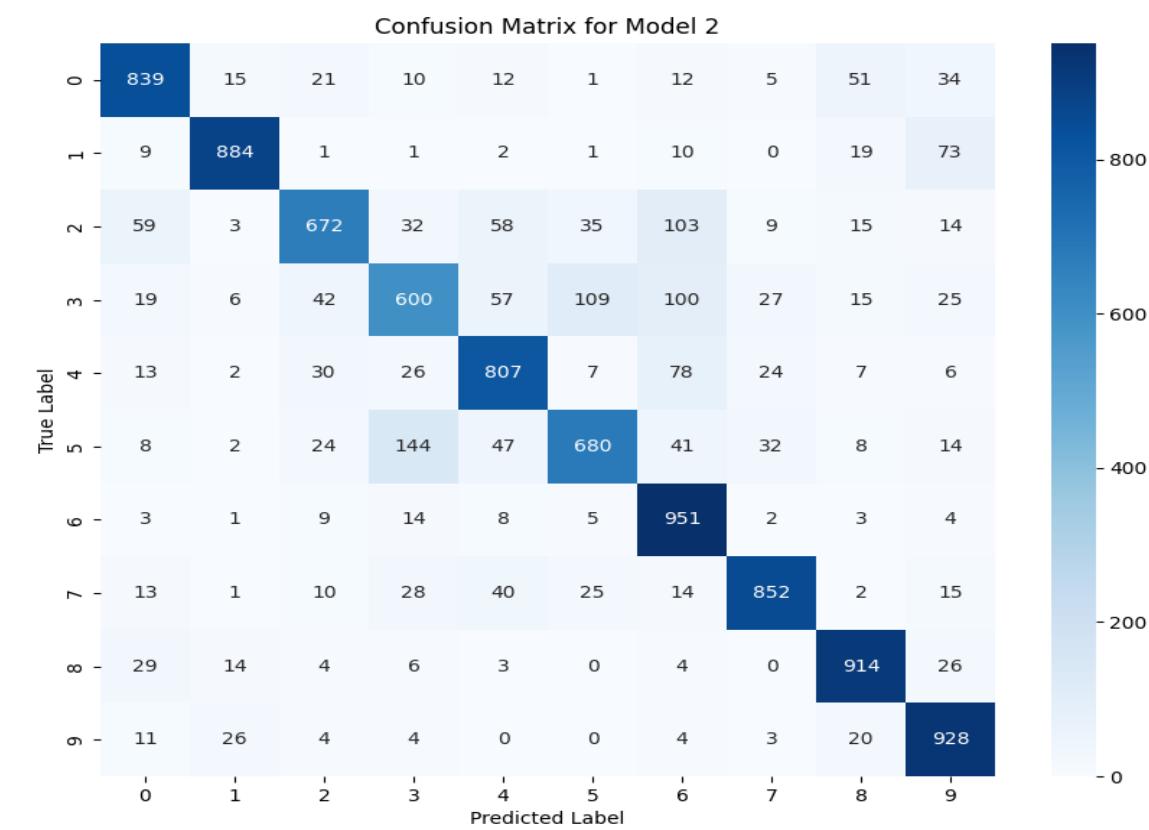
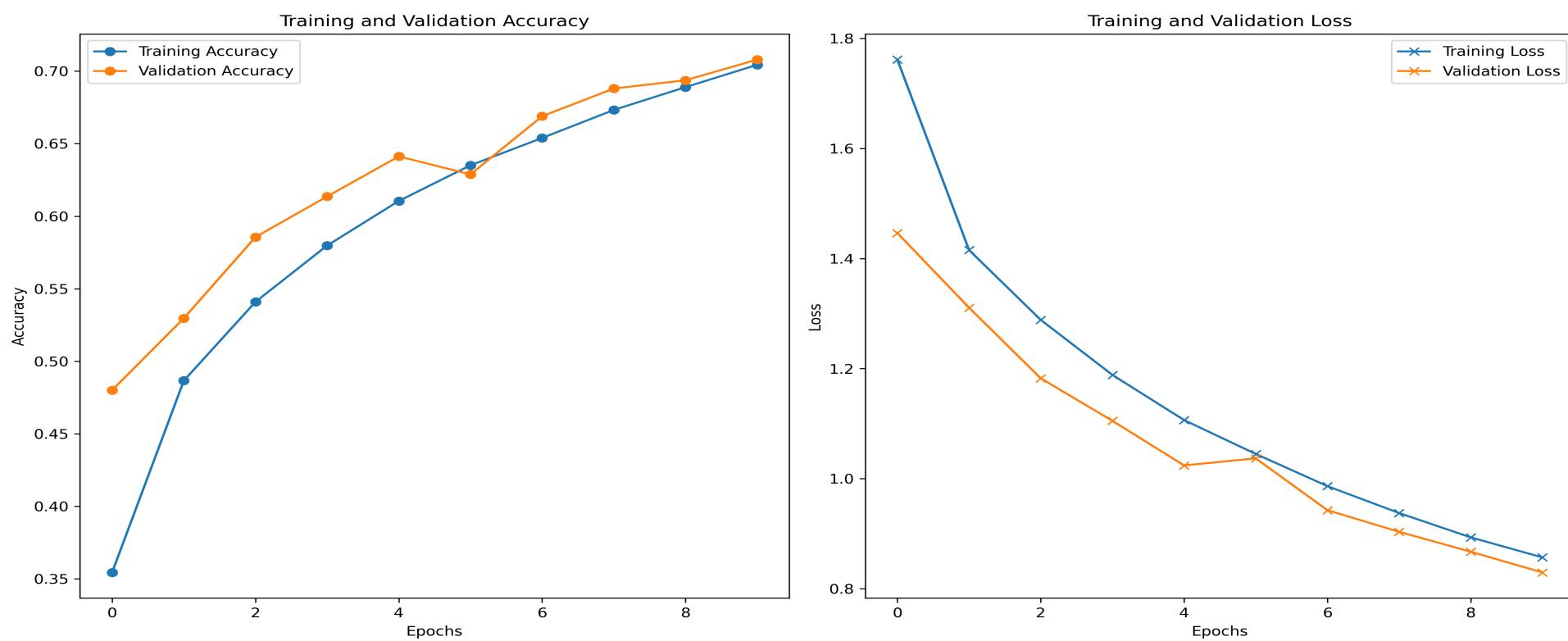
epoch	accuracy	loss	val_accuracy	val_loss
0	0.30852	1.868977	0.414299995	1.60741
1	0.42992	1.559516	0.485100001	1.407331
2	0.48008	1.427898	0.513300002	1.357435
3	0.51766	1.343496	0.550800025	1.244957
4	0.54452	1.276307	0.583599985	1.183994
5	0.56788	1.224228	0.600499988	1.1419
6	0.5857	1.172296	0.617399991	1.087371
7	0.60042	1.135144	0.625	1.075663
8	0.61366	1.095953	0.647599995	1.012829
9	0.6252	1.061311	0.652700007	0.996083
10	0.63696	1.035071	0.663299978	0.965413
11	0.64794	1.002202	0.67110002	0.947443
12	0.65682	0.979743	0.680599988	0.923326
13	0.66888	0.953039	0.680100024	0.921547
14	0.67134	0.937607	0.6875	0.906473
15	0.67764	0.913598	0.694500029	0.879554
16	0.68932	0.888982	0.703100026	0.845719
17	0.69266	0.8776	0.701499999	0.850954
18	0.6989	0.856971	0.712899983	0.823574
19	0.70564	0.841669	0.713199973	0.82575
20	0.71388	0.821062	0.721800029	0.802678
21	0.7169	0.806309	0.725799978	0.791439
22	0.72462	0.793643	0.719600022	0.799092
23	0.72812	0.779701	0.72359997	0.811314
24	0.73144	0.763939	0.737999976	0.761905
25	0.7374	0.748189	0.7403	0.74951
26	0.74394	0.735968	0.741400003	0.74096
27	0.7447	0.727375	0.745299995	0.733665
28	0.75148	0.711926	0.749000013	0.732118
29	0.7564	0.700398	0.746999979	0.727419
30	0.76028	0.688216	0.751399994	0.72252
31	0.76164	0.680618	0.757600009	0.712238
32	0.76826	0.662358	0.757499993	0.714576
33	0.77182	0.6539	0.757499993	0.708533
34	0.7748	0.644031	0.761099994	0.698182
35	0.77798	0.632473	0.767099977	0.68405
36	0.7802	0.625447	0.765999973	0.679928
37	0.7831	0.617167	0.7676	0.67143
38	0.78714	0.60546	0.770399988	0.662686
39	0.79178	0.592079	0.770900011	0.672154
40	0.79164	0.589188	0.771300018	0.664997
41	0.79724	0.578043	0.771499991	0.661508
42	0.7987	0.571966	0.777400017	0.651701
43	0.80112	0.560591	0.777700007	0.647717
44	0.80792	0.548002	0.774299979	0.658374



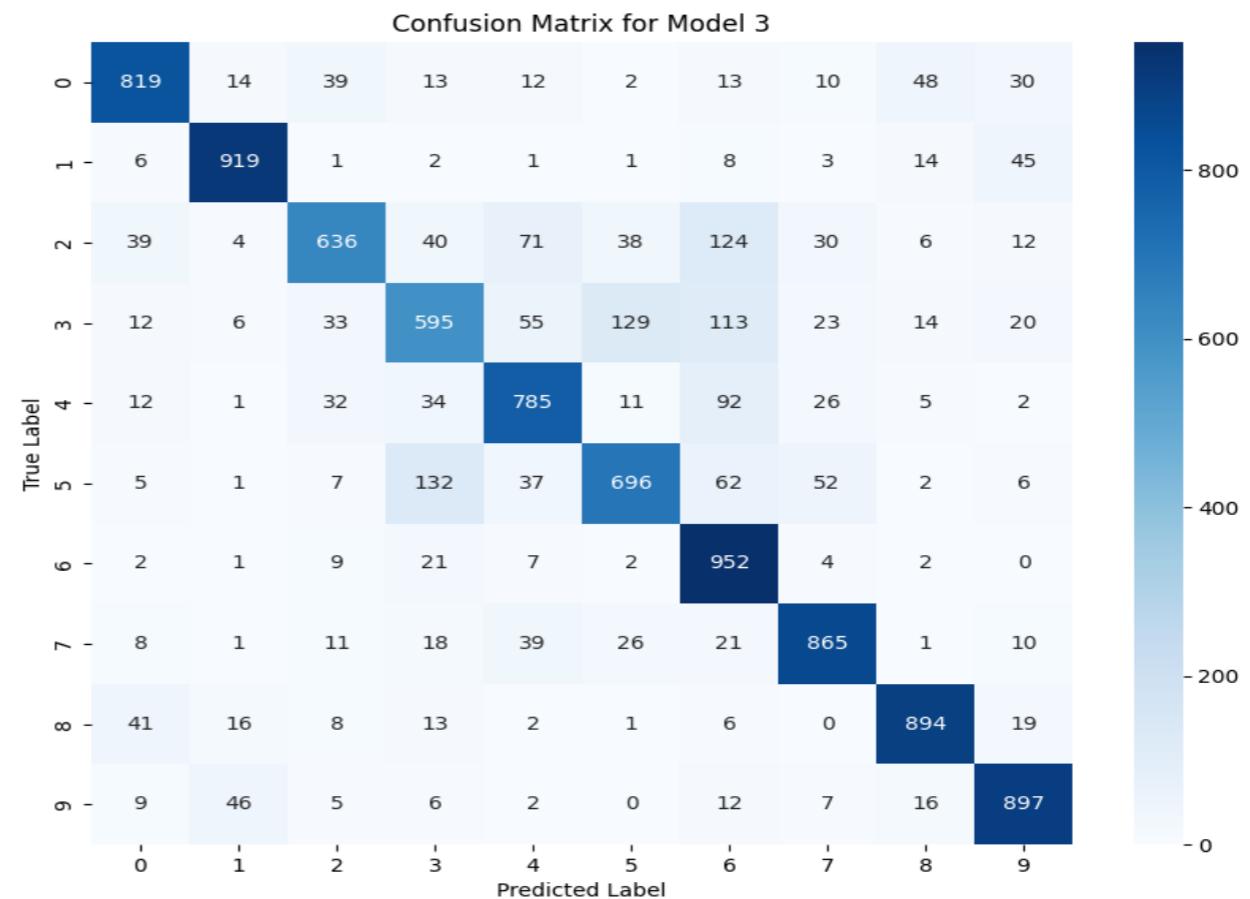
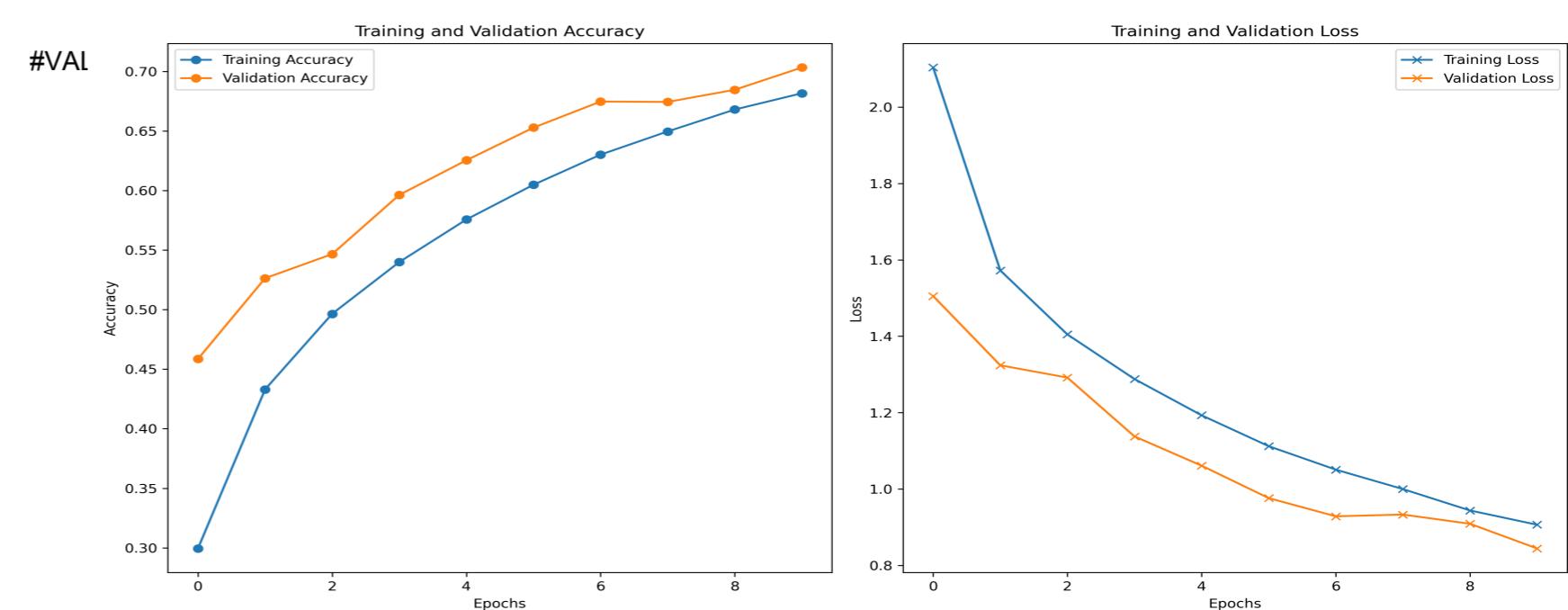
45	0.80718	0.548481	0.771700025	0.668807
46	0.8105	0.533901	0.777100027	0.649483
47	0.81492	0.525254	0.779799998	0.648653
48	0.8167	0.520971	0.779600024	0.645921
49	0.81798	0.518724	0.782000005	0.649484

0 1 2 3 4 5 6 7 8 9
Predicted Label

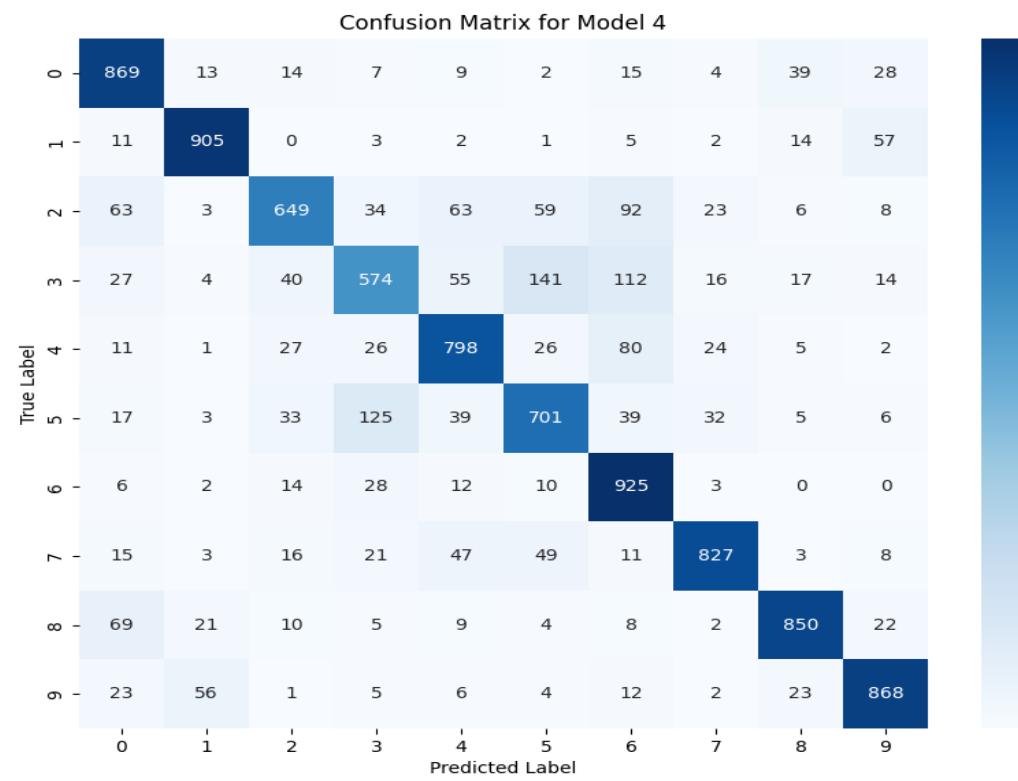
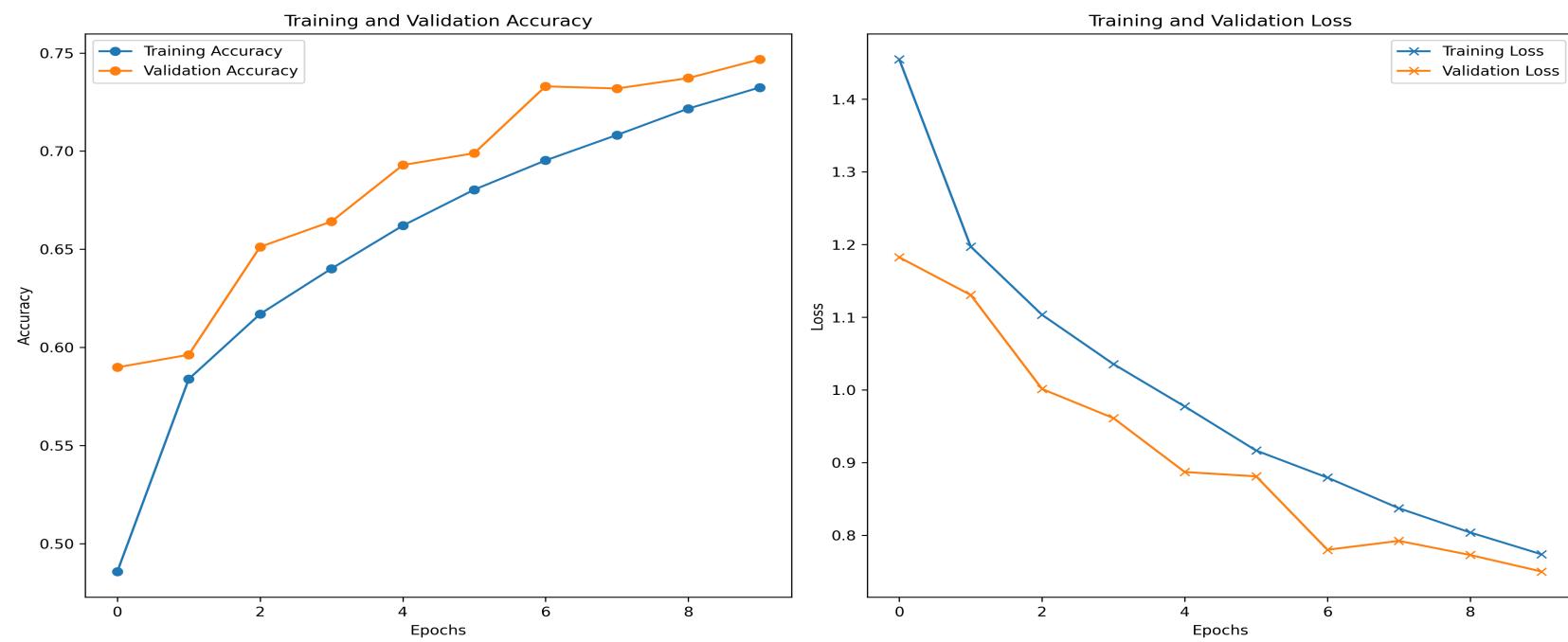
	accuracy	loss	val_accuracy	val_loss
0	0.35442	1.761336	0.4801	1.446212
1	0.4866	1.415312	0.5296	1.310543
2	0.54092	1.288372	0.5856	1.182221
3	0.57976	1.188401	0.6136	1.104954
4	0.6105	1.106351	0.6412	1.023933
5	0.63508	1.044743	0.6288	1.036722
6	0.65392	0.986262	0.6689	0.942575
7	0.67324	0.937385	0.688	0.903244
8	0.68894	0.893138	0.6937	0.867057
9	0.70434	0.856733	0.7079	0.829382



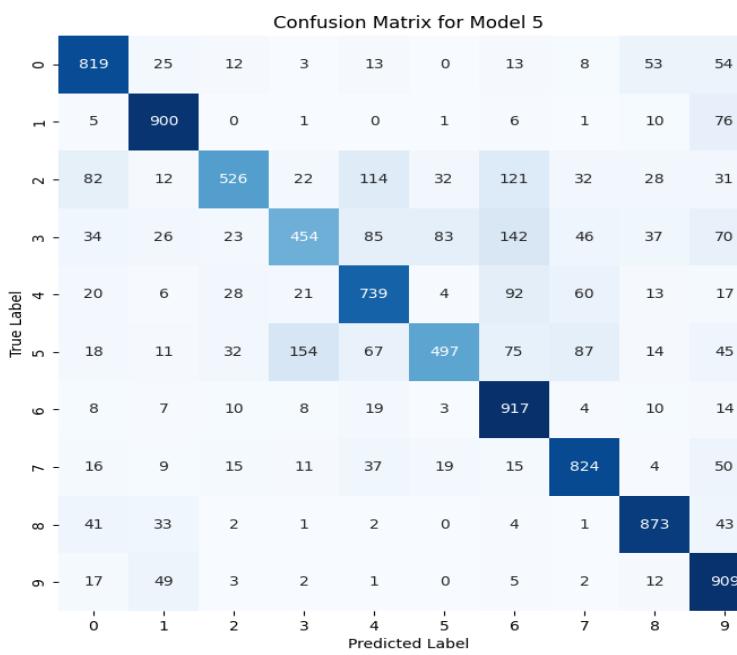
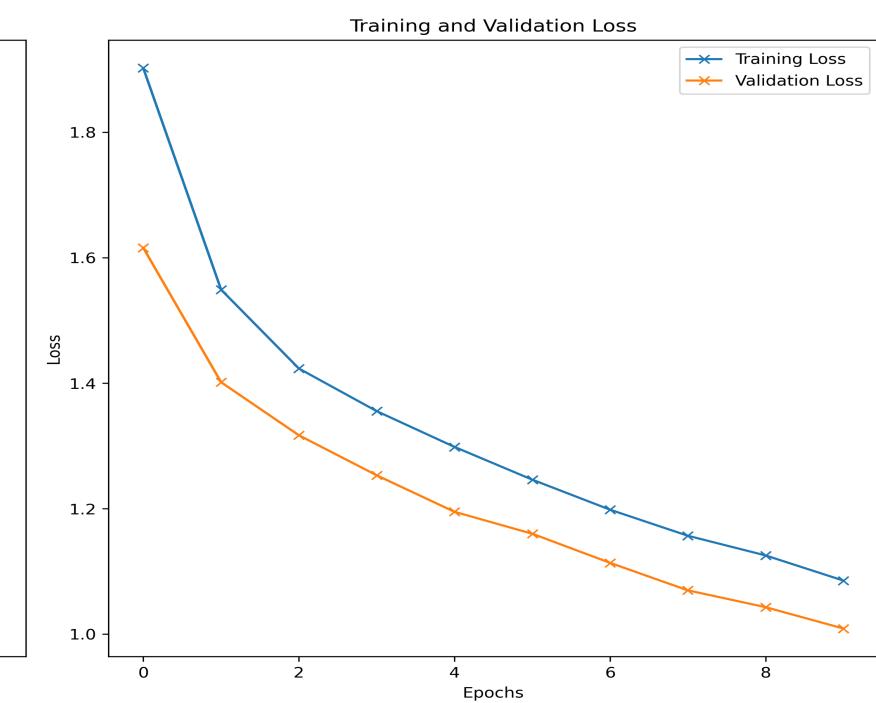
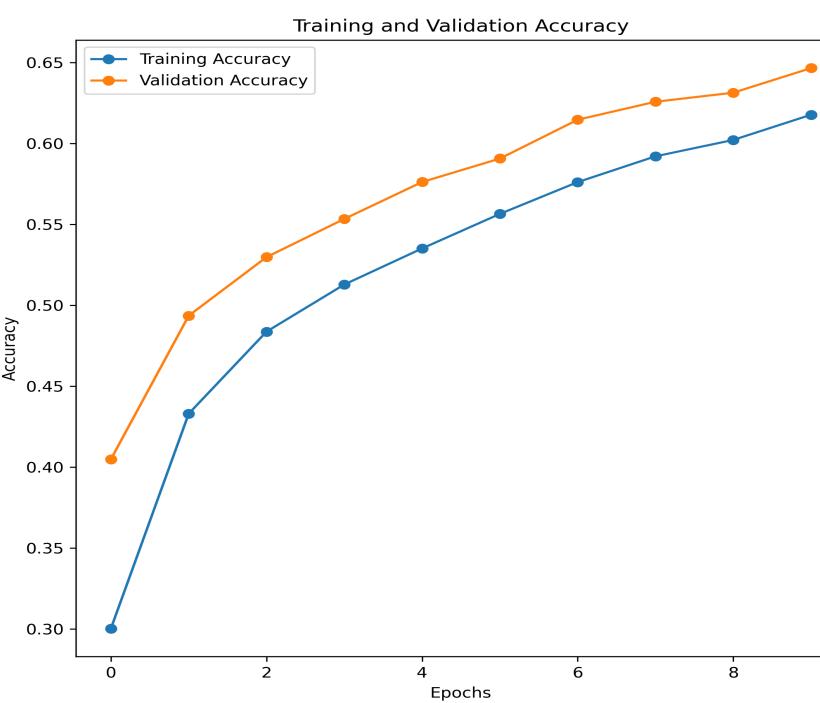
	accuracy	loss	val_accuracy	val_loss
0	0.299459994	2.103229761	0.458600014	1.505313516
1	0.433019996	1.572269797	0.52640003	1.324000597
2	0.49654001	1.404828668	0.546700001	1.291805983
3	0.540000021	1.288100123	0.596400023	1.137952328
4	0.57573998	1.193178535	0.625500023	1.061377168
5	0.60492003	1.112384558	0.652899981	0.976512671
6	0.630219996	1.051001668	0.674799979	0.928808153
7	0.649699986	1.000161409	0.674499989	0.933422625
8	0.668099999	0.944141448	0.684700012	0.909327388
9	0.681779981	0.906801403	0.703400016	0.844723046



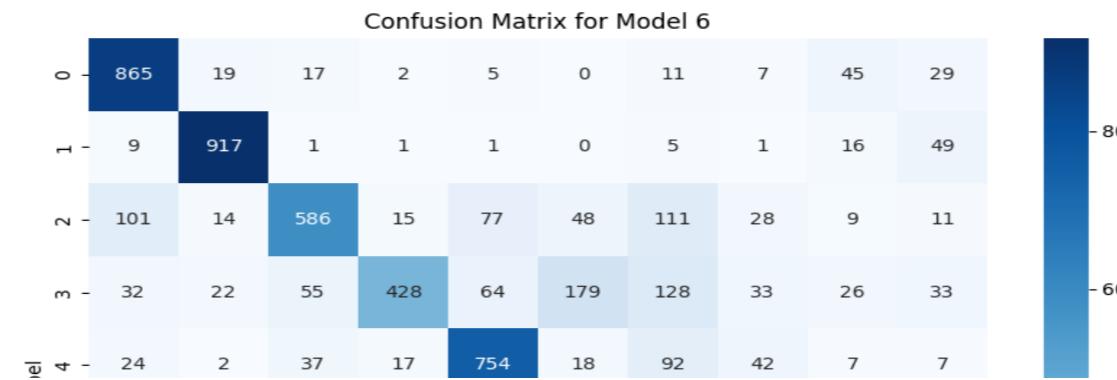
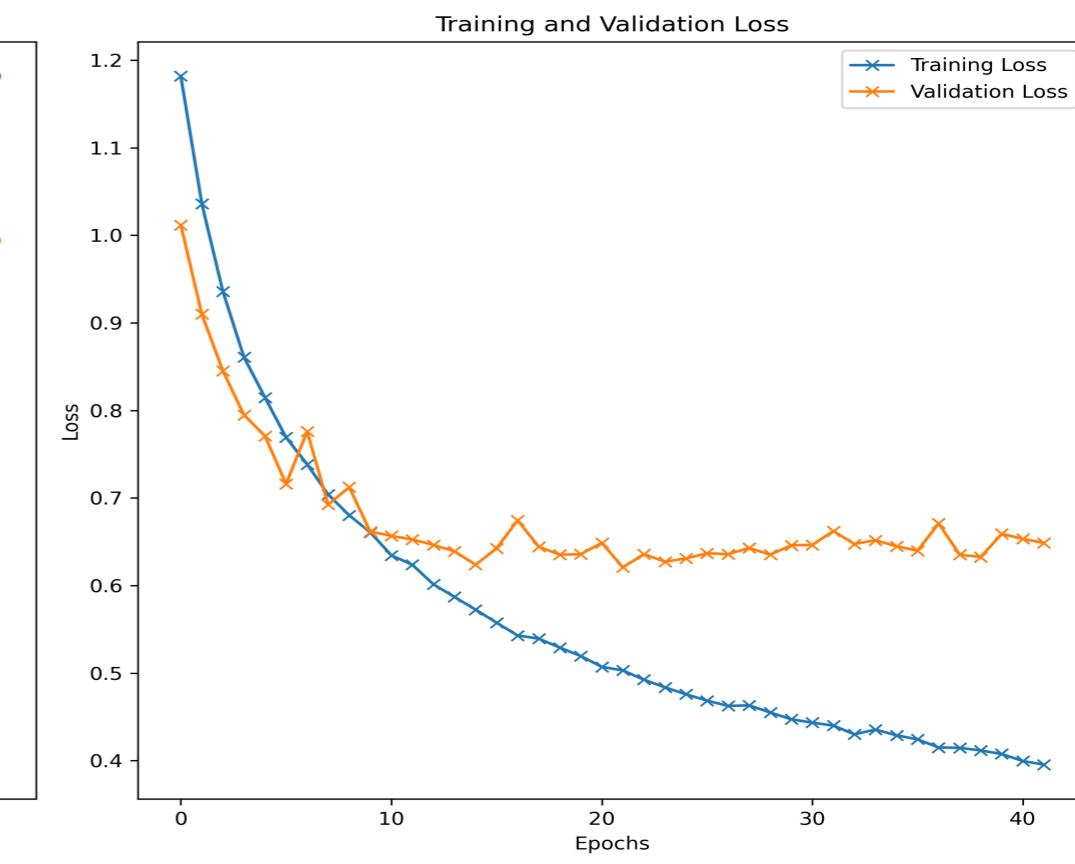
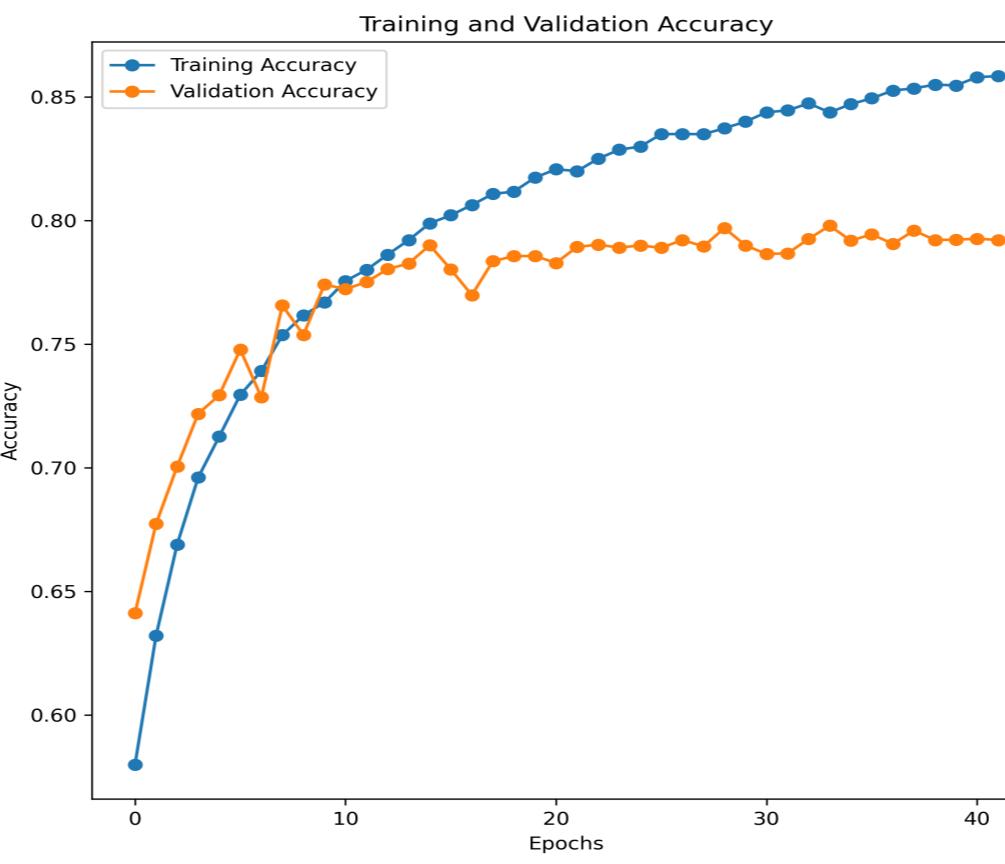
	accuracy	loss	val_accuracy	val_loss
0	0.48572	1.454582	0.5898	1.182381
1	0.58382	1.197282	0.5962	1.130685
2	0.61696	1.103351	0.6512	1.001327
3	0.6401	1.035627	0.6641	0.961269
4	0.66202	0.977254	0.6929	0.887082
5	0.68032	0.916643	0.6989	0.881155
6	0.69524	0.879363	0.733	0.780119
7	0.7082	0.8373	0.7319	0.79241
8	0.72166	0.80392	0.7372	0.772945
9	0.73242	0.773881	0.7467	0.750187

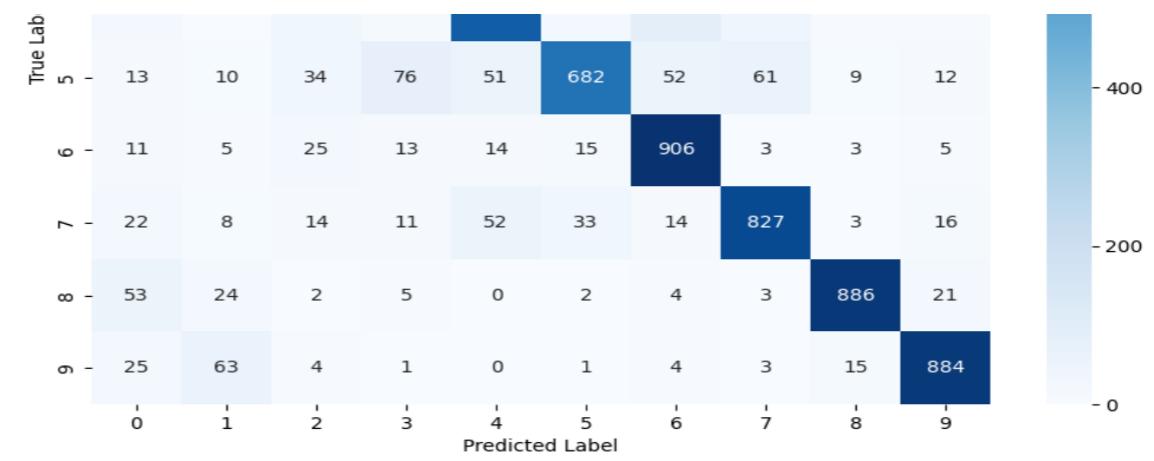


	accuracy	loss	val_accuracy	val_loss
0	0.30016	1.902063	0.4048	1.615563
1	0.43296	1.548978	0.4935	1.40146
2	0.48364	1.423313	0.5297	1.316956
3	0.51276	1.355398	0.5533	1.253162
4	0.53504	1.298407	0.5761	1.194994
5	0.5564	1.246202	0.5906	1.16002
6	0.57604	1.198361	0.6146	1.113647
7	0.59198	1.156838	0.6257	1.069814
8	0.6021	1.125437	0.6313	1.043007
9	0.61768	1.085366	0.6465	1.008955

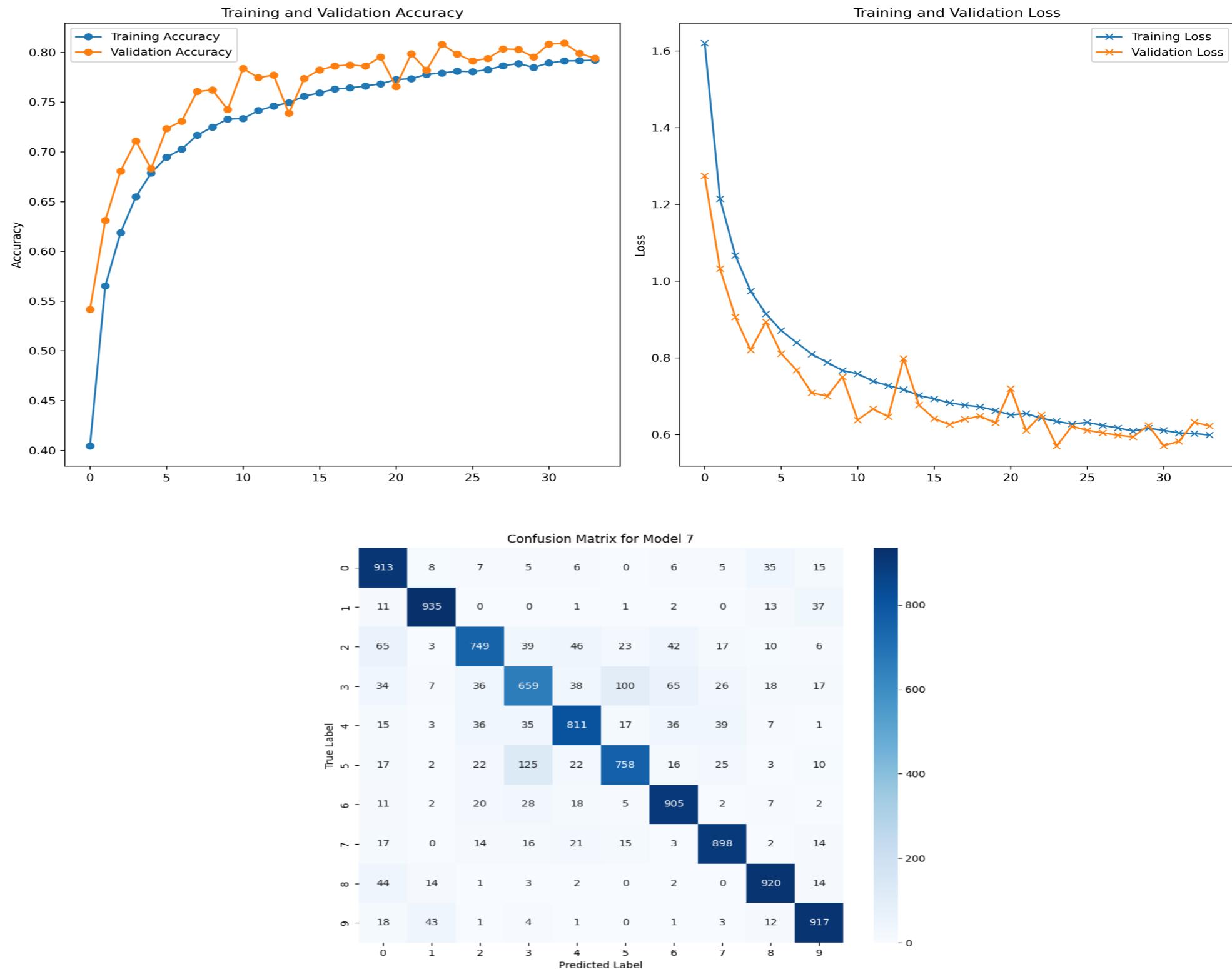


	accuracy	loss	val_accuracy	val_loss
0	0.5799	1.181653	0.6411	1.011784
1	0.63204	1.035838	0.6773	0.909846
2	0.66888	0.93573	0.7004	0.845021
3	0.696	0.860702	0.7218	0.794802
4	0.7126	0.814665	0.7293	0.770766
5	0.72946	0.76913	0.7478	0.715919
6	0.73908	0.738486	0.7285	0.775917
7	0.7536	0.703908	0.7656	0.692417
8	0.76164	0.680202	0.7537	0.712329
9	0.76682	0.660758	0.7741	0.661551
10	0.7755	0.634537	0.7722	0.656705
11	0.78004	0.623685	0.7751	0.652552
12	0.78618	0.601353	0.7803	0.646385
13	0.79206	0.586957	0.7826	0.639106
14	0.79884	0.572507	0.79	0.623693
15	0.80208	0.557551	0.7802	0.642462
16	0.80626	0.542963	0.7698	0.674486
17	0.81072	0.53938	0.7835	0.644393
18	0.81168	0.52915	0.7856	0.635238
19	0.81734	0.519483	0.7856	0.635782
20	0.8207	0.507084	0.7828	0.648684
21	0.81994	0.503027	0.7893	0.620788
22	0.82496	0.4925	0.7902	0.635777
23	0.82862	0.483639	0.789	0.627186
24	0.82988	0.475818	0.7899	0.630957
25	0.8349	0.46848	0.7889	0.636857
26	0.83496	0.462499	0.7921	0.635771
27	0.83488	0.463091	0.7895	0.642945
28	0.83728	0.454964	0.7969	0.635183
29	0.83996	0.447252	0.7899	0.645922
30	0.84376	0.443373	0.7864	0.646371
31	0.8445	0.44002	0.7867	0.662194
32	0.84736	0.430054	0.7925	0.647386
33	0.84368	0.435481	0.7979	0.651672
34	0.84706	0.42891	0.7918	0.644838
35	0.84938	0.424316	0.7944	0.639738
36	0.85258	0.415046	0.7905	0.670905
37	0.85338	0.41462	0.7959	0.635232
38	0.85494	0.41165	0.7921	0.6326
39	0.8546	0.407576	0.7922	0.659017
40	0.85798	0.399512	0.7926	0.653262
41	0.85834	0.395512	0.7921	0.648641

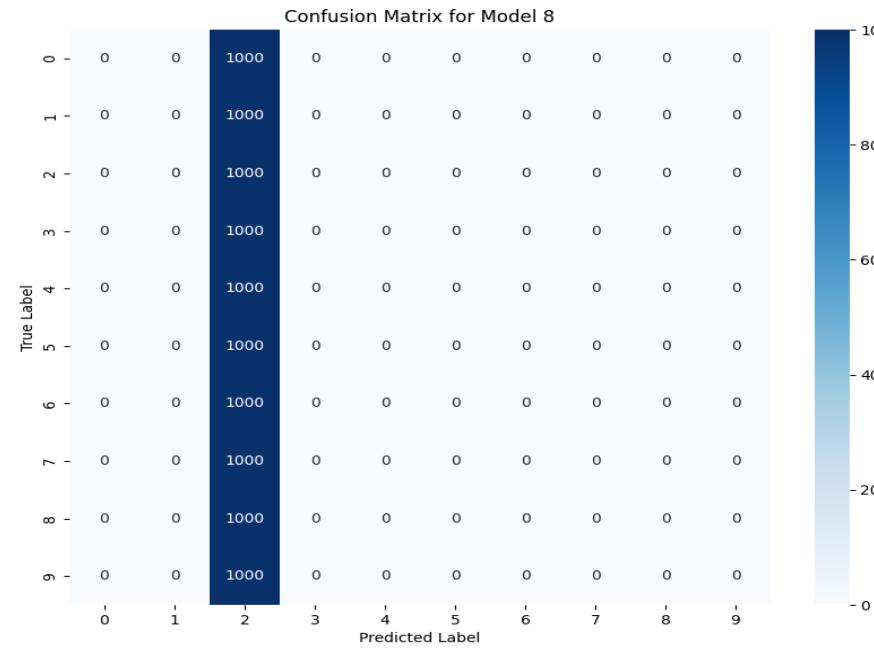
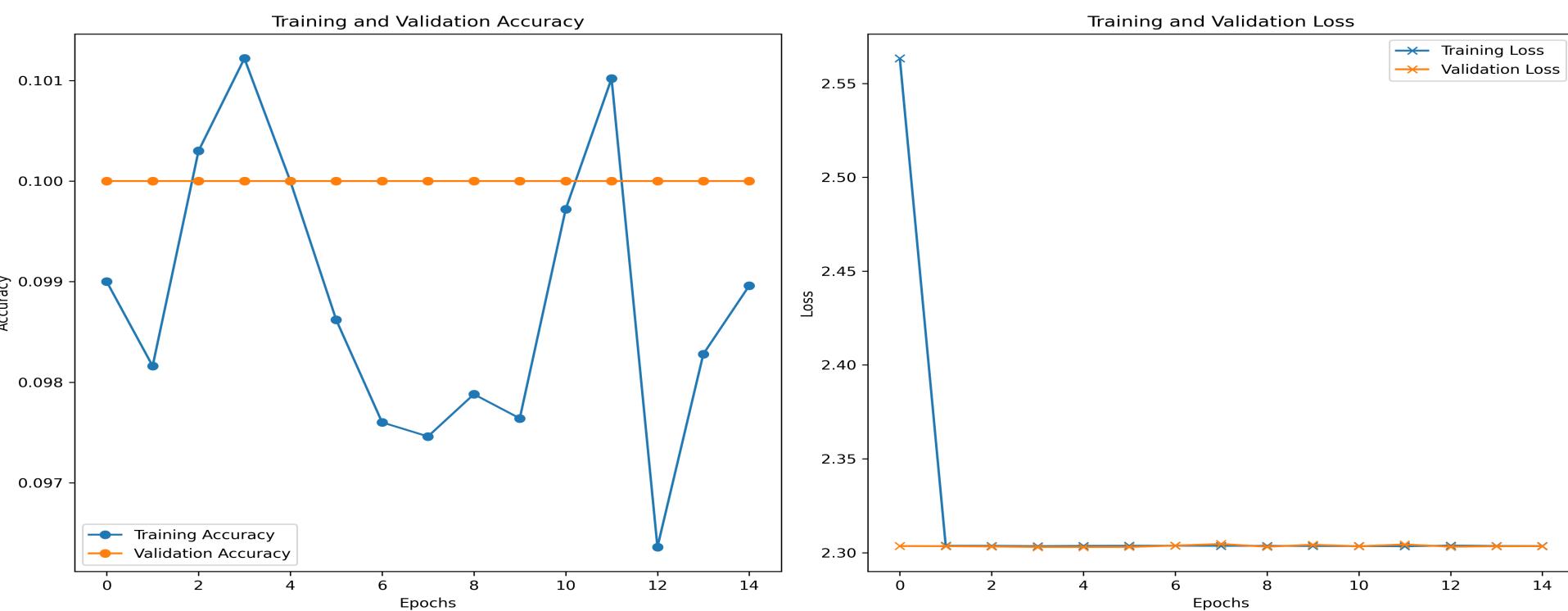




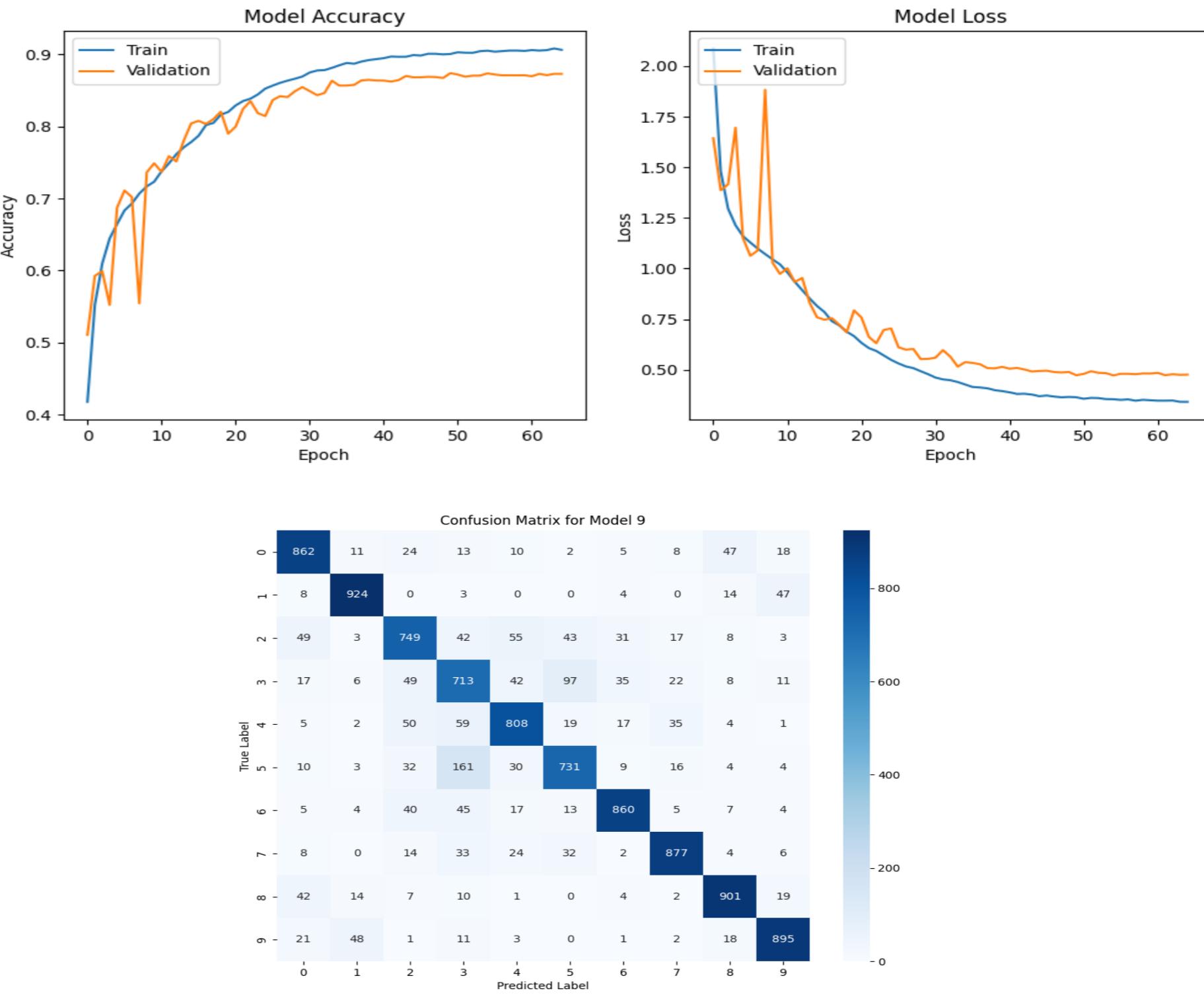
	accuracy	loss	val_accuracy	val_loss
0	0.40436	1.61992	0.5417	1.274472
1	0.56506	1.21439	0.631	1.032072
2	0.61878	1.067006	0.6807	0.906236
3	0.65472	0.97375	0.7108	0.819998
4	0.67864	0.914744	0.683	0.893793
5	0.69456	0.87098	0.7233	0.810909
6	0.70268	0.839668	0.7308	0.768032
7	0.7166	0.8096	0.7606	0.708673
8	0.72492	0.787953	0.7622	0.699759
9	0.7329	0.766759	0.7425	0.75047
10	0.73336	0.758241	0.7838	0.637763
11	0.74142	0.738852	0.7746	0.666611
12	0.74596	0.727199	0.7771	0.64637
13	0.7494	0.717136	0.7388	0.798221
14	0.75586	0.701528	0.7736	0.67666
15	0.75928	0.692858	0.7823	0.641383
16	0.76312	0.682364	0.7863	0.625888
17	0.76426	0.676376	0.7873	0.639923
18	0.76614	0.672033	0.7861	0.647696
19	0.7684	0.66246	0.7954	0.630204
20	0.7726	0.65101	0.7656	0.719424
21	0.77352	0.654508	0.7985	0.610537
22	0.7778	0.642275	0.782	0.650836
23	0.7792	0.634302	0.8081	0.570103
24	0.78102	0.627239	0.7982	0.621202
25	0.78064	0.631527	0.7913	0.610835
26	0.78244	0.623644	0.7939	0.604314
27	0.78654	0.617115	0.8034	0.598255
28	0.78872	0.608896	0.8029	0.59369
29	0.78486	0.616168	0.7953	0.623586
30	0.7893	0.610756	0.8083	0.570795
31	0.79136	0.603962	0.8092	0.581975
32	0.7916	0.602604	0.7989	0.632237
33	0.79208	0.598451	0.7941	0.621885



	accuracy	loss	val_accuracy	val_loss
0	0.099	2.563324	0.1	2.303498
1	0.09816	2.30366	0.1	2.303445
2	0.1003	2.303621	0.1	2.303247
3	0.10122	2.303462	0.1	2.302993
4	0.1	2.303595	0.1	2.302965
5	0.09862	2.303646	0.1	2.303011
6	0.0976	2.303678	0.1	2.303736
7	0.09746	2.303607	0.1	2.304588
8	0.09788	2.303612	0.1	2.303129
9	0.09764	2.303491	0.1	2.304178
10	0.09972	2.303483	0.1	2.303373
11	0.10102	2.303375	0.1	2.304339
12	0.09636	2.303754	0.1	2.303149
13	0.09828	2.303541	0.1	2.303367
14	0.09896	2.303505	0.1	2.30346



	loss	accuracy	val_loss	val_accuracy	lr
0	2.086653	0.41772	1.643627	0.5107	0.001
1	1.480265	0.5522	1.386674	0.5927	0.001
2	1.295596	0.60978	1.415724	0.599	0.001
3	1.213722	0.64462	1.695691	0.5523	0.001
4	1.160025	0.66454	1.150619	0.6872	0.001
5	1.128172	0.68338	1.062832	0.7111	0.001
6	1.098051	0.69308	1.089106	0.7019	0.001
7	1.071277	0.70684	1.882813	0.5544	0.001
8	1.045043	0.71676	1.028549	0.7362	0.001
9	1.02018	0.72324	0.973129	0.7489	0.001
10	0.980896	0.73766	1.001077	0.737	0.000905
11	0.93422	0.74874	0.933248	0.7587	0.000819
12	0.893054	0.76152	0.953349	0.7514	0.000741
13	0.852108	0.77102	0.830758	0.7803	0.00067
14	0.814827	0.77832	0.758879	0.8042	0.000607
15	0.78496	0.78708	0.747023	0.8078	0.000549
16	0.73997	0.80196	0.754492	0.8034	0.000497
17	0.718999	0.80484	0.722157	0.8102	0.000449
18	0.688116	0.81628	0.684526	0.8205	0.000407
19	0.665591	0.82014	0.792852	0.79	0.000368
20	0.632537	0.82914	0.757735	0.7997	0.000333
21	0.606776	0.83526	0.661922	0.8243	0.000301
22	0.592521	0.83854	0.630792	0.8353	0.000273
23	0.570566	0.84442	0.696077	0.8185	0.000247
24	0.548595	0.85254	0.703681	0.8144	0.000223
25	0.530859	0.8567	0.610822	0.8365	0.000202
26	0.516033	0.86054	0.598896	0.8421	0.000183
27	0.507786	0.86356	0.602489	0.8407	0.000165
28	0.492411	0.86624	0.55223	0.8488	0.00015
29	0.477691	0.86926	0.553329	0.8547	0.000135
30	0.461001	0.87488	0.559411	0.8491	0.000122
31	0.452091	0.8777	0.596621	0.8434	0.000111
32	0.447929	0.8782	0.564202	0.8465	0.0001
33	0.438986	0.88134	0.515111	0.8635	9.07E-05
34	0.42679	0.88492	0.537392	0.8567	8.21E-05
35	0.414637	0.88814	0.533484	0.8568	7.43E-05
36	0.412062	0.88708	0.526996	0.8577	6.72E-05
37	0.408114	0.89014	0.507994	0.864	6.08E-05
38	0.398833	0.8922	0.506482	0.8647	5.50E-05
39	0.394033	0.8935	0.514047	0.8638	4.98E-05
40	0.388232	0.89482	0.504862	0.8637	4.50E-05
41	0.380152	0.89708	0.508757	0.8623	4.08E-05
42	0.381232	0.89672	0.500949	0.8644	3.69E-05
43	0.377201	0.8968	0.491262	0.8701	3.34E-05
44	0.369114	0.89908	0.493607	0.8682	3.02E-05



45	0.372385	0.89842	0.495116	0.8683	2.73E-05
46	0.367336	0.90096	0.488407	0.8689	2.47E-05
47	0.363383	0.90088	0.48627	0.8686	2.24E-05
48	0.365274	0.90008	0.488585	0.8673	2.02E-05
49	0.363709	0.90064	0.472618	0.874	1.83E-05
50	0.356368	0.903	0.479168	0.872	1.66E-05
51	0.36082	0.90234	0.492287	0.8691	1.50E-05
52	0.359796	0.9022	0.48441	0.8705	1.36E-05
53	0.3546	0.90448	0.483087	0.8706	1.23E-05
54	0.353965	0.90514	0.471881	0.8737	1.11E-05
55	0.350984	0.90382	0.479561	0.8721	1.01E-05
56	0.353428	0.90456	0.479386	0.871	9.10E-06
57	0.346861	0.90532	0.477608	0.8711	8.23E-06
58	0.351208	0.90536	0.48133	0.871	7.45E-06
59	0.348972	0.90482	0.481136	0.8711	6.74E-06
60	0.347036	0.90608	0.484267	0.8697	6.10E-06
61	0.346951	0.90536	0.472801	0.873	5.52E-06
62	0.347659	0.906	0.477507	0.8712	4.99E-06
63	0.341242	0.90822	0.474645	0.873	4.52E-06
64	0.341161	0.9064	0.47575	0.873	4.09E-06

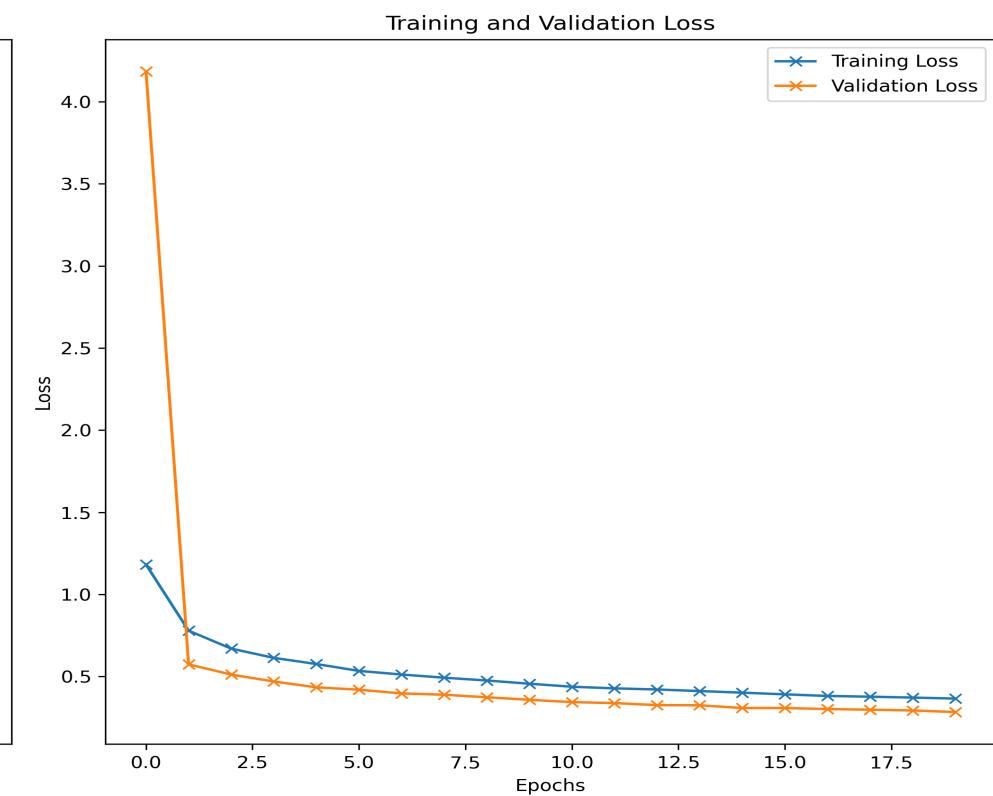
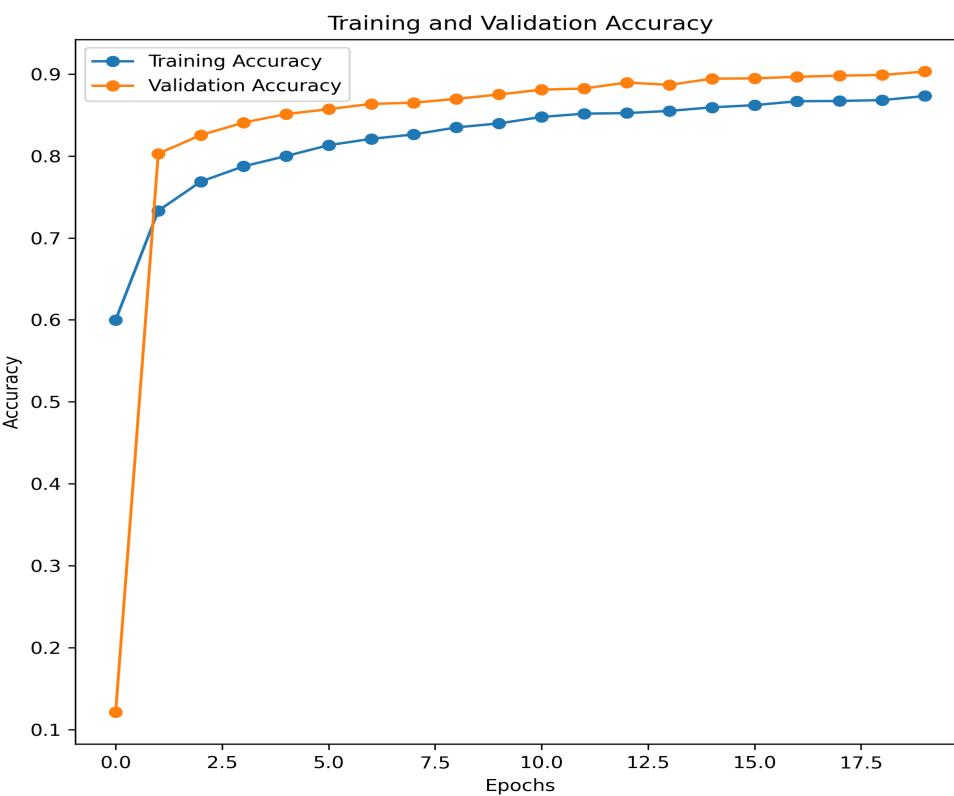
	1	2	3	4	5	6	7	8	9
Test Accur@	76.83	80.6	77.51	75.91	76.31	79.58	82.1	9.78012	81.6

CIFAR-10

epoch

	loss	accuracy	val_loss	val_accuracy	lr
0	1.181582	0.59995	4.183175	0.1214	0.001
1	0.77883	0.73315	0.573937	0.8029	0.001
2	0.669667	0.76875	0.511477	0.8255	0.001
3	0.613103	0.787325	0.4694	0.8407	0.001
4	0.575809	0.799825	0.433814	0.8511	0.001
5	0.533789	0.813125	0.419466	0.8571	0.001
6	0.511848	0.8209	0.396712	0.8635	0.001
7	0.49244	0.826275	0.38877	0.865	0.001
8	0.47554	0.83485	0.373414	0.8697	0.001
9	0.455792	0.8397	0.357868	0.875	0.001
10	0.437525	0.8476	0.343782	0.8809	0.001
11	0.427556	0.8516	0.337985	0.8823	0.001
12	0.420782	0.8523	0.325376	0.8896	0.001
13	0.411127	0.854975	0.324602	0.8867	0.001
14	0.401286	0.8593	0.307753	0.8943	0.001
15	0.391094	0.862	0.307875	0.8947	0.001
16	0.381328	0.86675	0.30168	0.8966	0.001
17	0.376787	0.8671	0.297632	0.898	0.001
18	0.371468	0.86815	0.292928	0.8988	0.001
19	0.365324	0.87315	0.283373	0.903	0.001

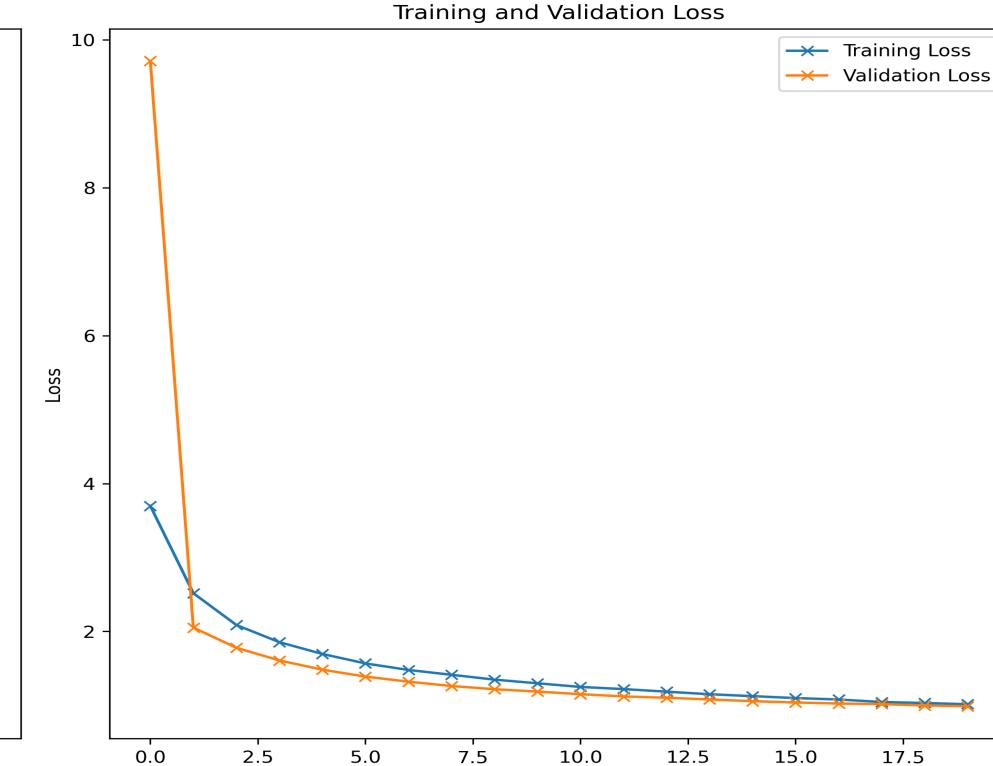
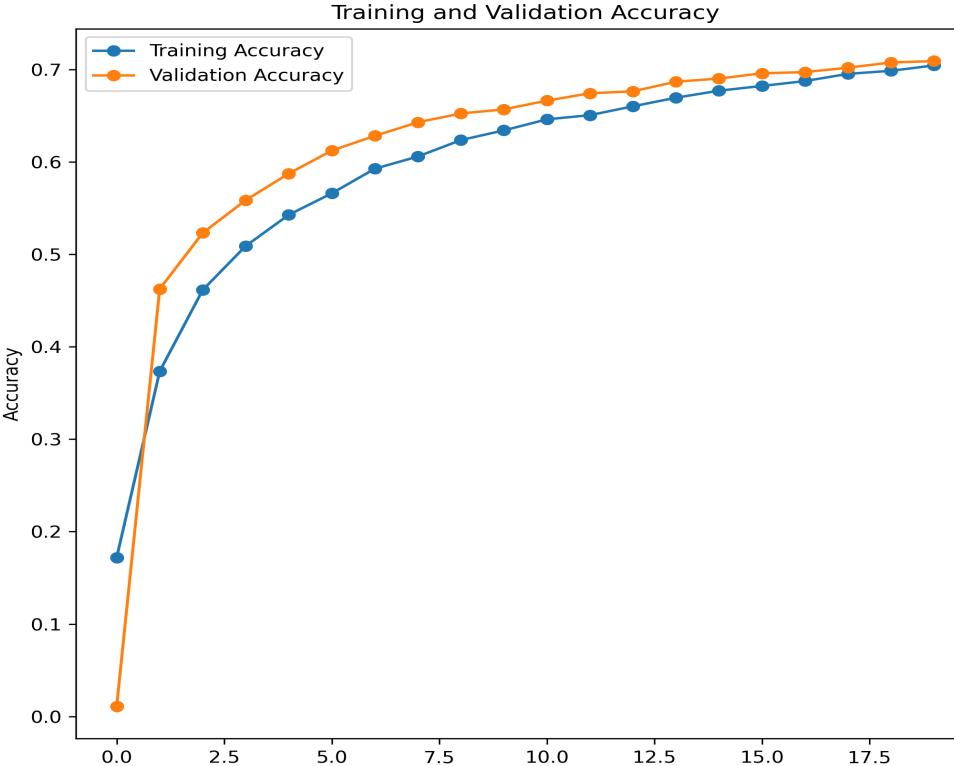
Test Accuracy: 80.7999643



CIFAR-100

epoch

	loss	accuracy	val_loss	val_accuracy	lr
0	3.698287	0.172	9.712999	0.011	0.001
1	2.516836	0.373375	2.051518	0.4625	0.001
2	2.086947	0.4614	1.779468	0.5231	0.001
3	1.854909	0.509025	1.607452	0.5586	0.001
4	1.695068	0.5427	1.482708	0.5873	0.001
5	1.567558	0.56595	1.388891	0.6122	0.001
6	1.478714	0.59255	1.32059	0.6281	0.001
7	1.414008	0.605775	1.261809	0.6428	0.001
8	1.348232	0.62355	1.218505	0.6523	0.001
9	1.298589	0.63405	1.186586	0.6568	0.001
10	1.249238	0.645975	1.151635	0.6662	0.001
11	1.220224	0.650525	1.12104	0.6742	0.001
12	1.185665	0.660075	1.103277	0.6763	0.001
13	1.150597	0.6694	1.080154	0.6867	0.001
14	1.124769	0.676975	1.056699	0.6901	0.001
15	1.098687	0.682125	1.038845	0.6958	0.001
16	1.079519	0.6874	1.025033	0.6971	0.001
17	1.045909	0.6952	1.016951	0.7019	0.001
18	1.031858	0.6985	0.998099	0.7075	0.001
19	1.015826	0.704325	0.987447	0.709	0.001

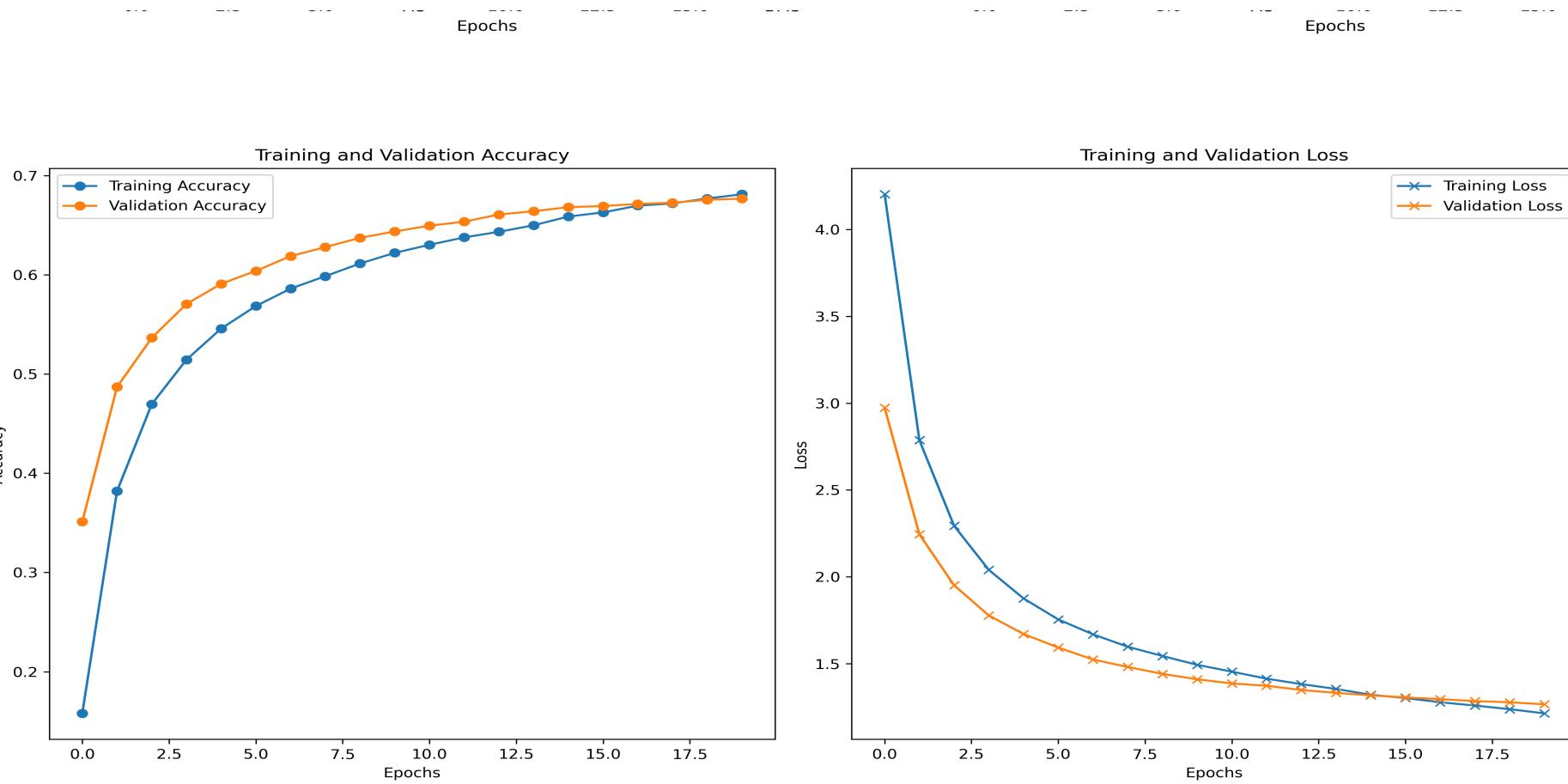


Test Accuracy: 70.89999924

Tiny ImageNet

epoch	accuracy	loss	val_accuracy	val_loss	learning_rate
0	0.158025	4.202401	0.3513	2.973424	0.001
1	0.381938	2.786803	0.48695	2.244212	0.001
2	0.4696	2.293401	0.53645	1.951048	0.001
3	0.514462	2.039753	0.57065	1.777125	0.001
4	0.545862	1.875387	0.59095	1.670569	0.001
5	0.56855	1.754243	0.604	1.592483	0.001
6	0.586125	1.668759	0.61885	1.52356	0.001
7	0.598638	1.597072	0.628	1.480769	0.001
8	0.611462	1.543978	0.6373	1.440792	0.001
9	0.622187	1.492935	0.64375	1.409775	0.001
10	0.630288	1.45369	0.64955	1.385602	0.001
11	0.637762	1.413169	0.6536	1.372363	0.001
12	0.643412	1.381884	0.66085	1.347997	0.001
13	0.64995	1.354231	0.66415	1.33138	0.001
14	0.6588	1.32045	0.66825	1.316782	0.001
15	0.662912	1.301649	0.66935	1.305653	0.001
16	0.66975	1.277624	0.6715	1.295216	0.001
17	0.672025	1.258541	0.6727	1.284121	0.001
18	0.677025	1.23752	0.67575	1.277311	0.001
19	0.6812	1.213755	0.67675	1.265626	0.001

Test Accuracy: 0.681400001



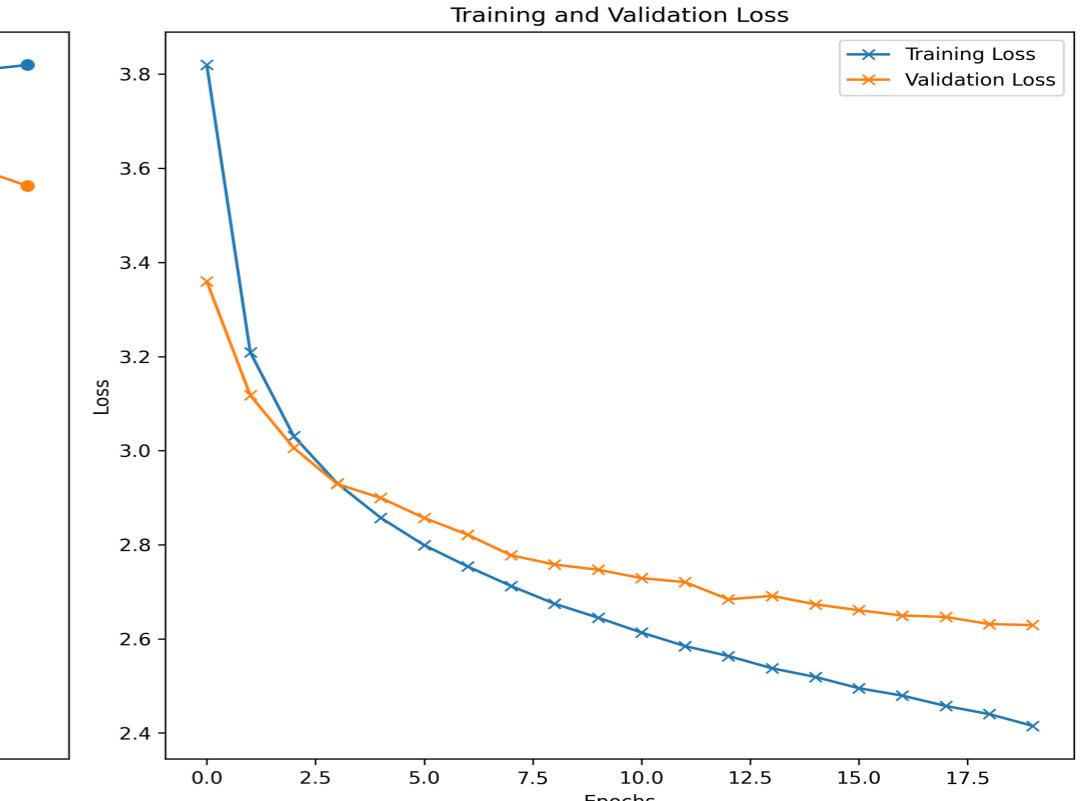
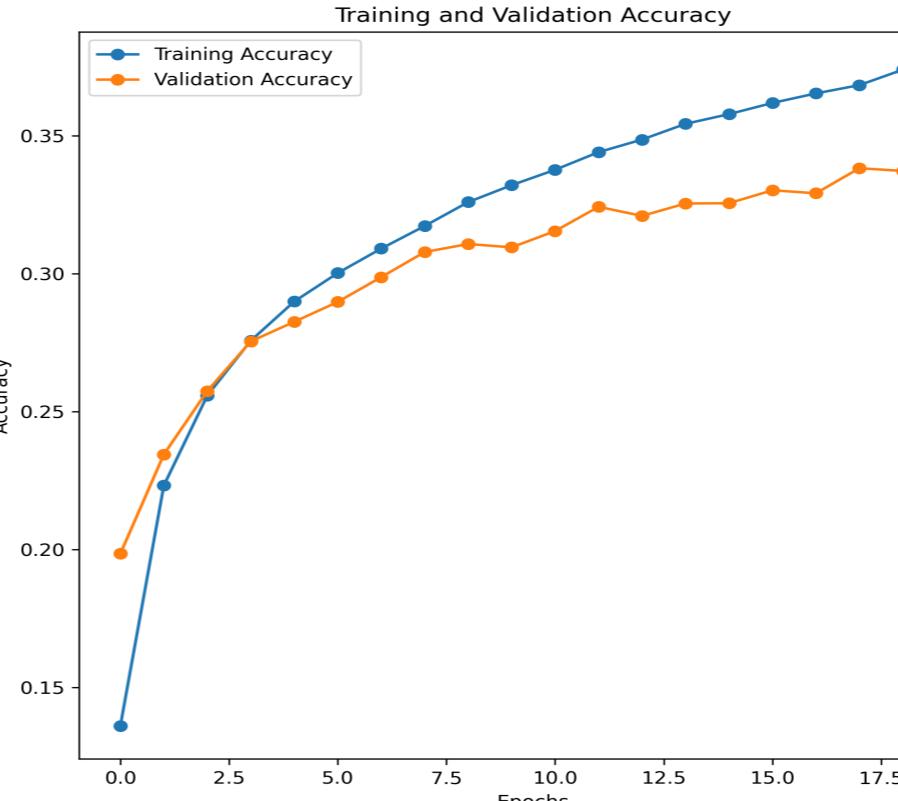
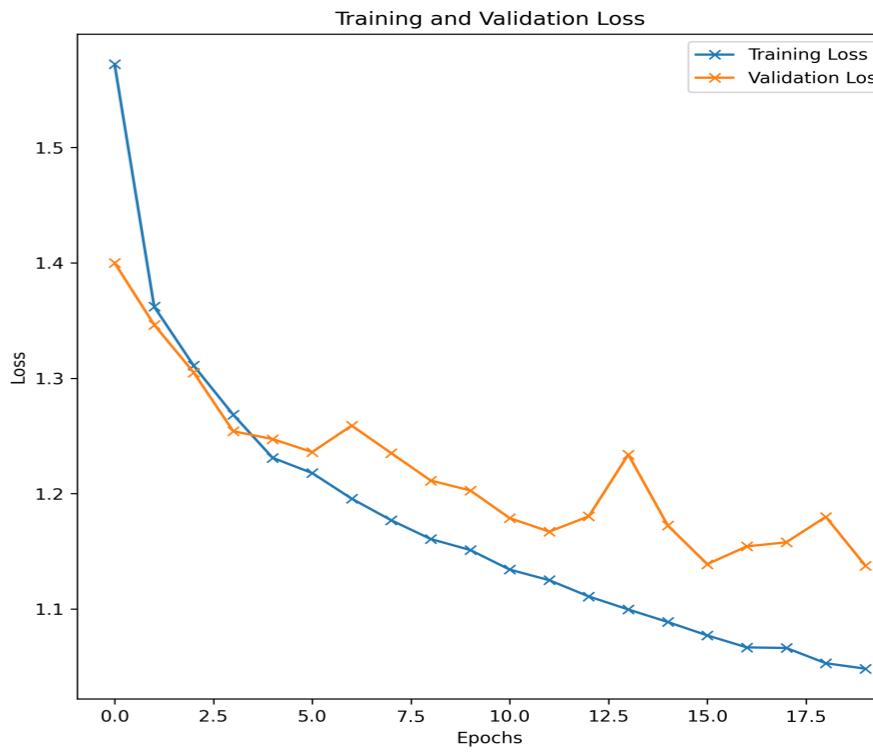
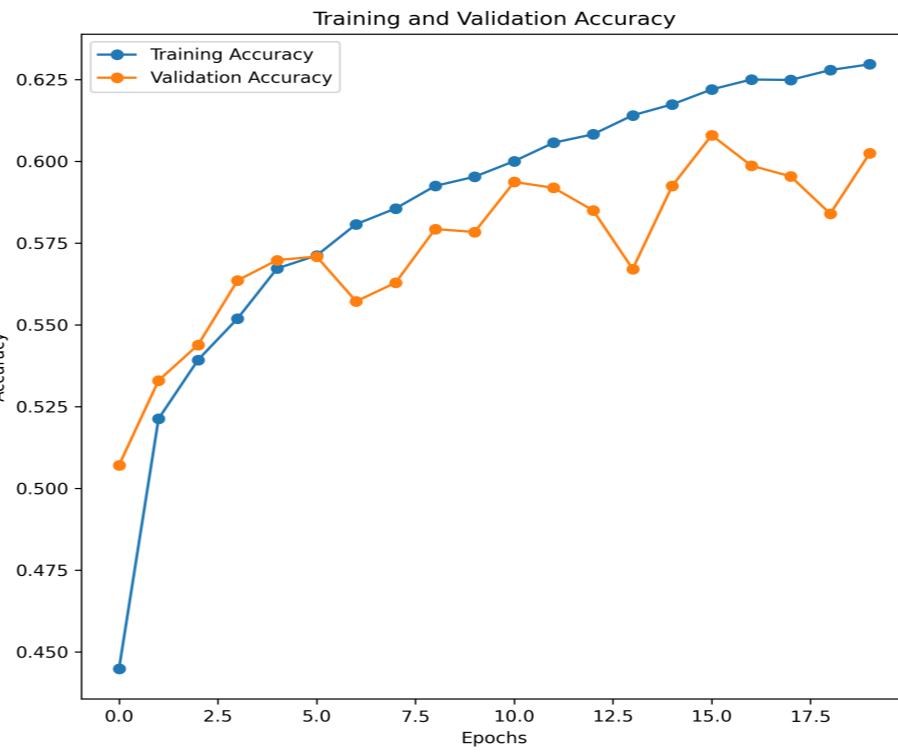
CIFAR-10

	loss	accuracy	val_loss	val_accuracy
0	1.572048783	0.444880009	1.3999542	0.507099986
1	1.362035275	0.521300018	1.346340179	0.532999992
2	1.310919404	0.539300025	1.304970145	0.543900013
3	1.268398404	0.551940024	1.254093647	0.563600004
4	1.230988145	0.567260027	1.247232318	0.569800019
5	1.217793941	0.571200013	1.236005425	0.570900023
6	1.195585489	0.580780029	1.25893259	0.557200015
7	1.176903367	0.585600019	1.235065579	0.562900007
8	1.160626054	0.592480004	1.211301088	0.579299986
9	1.151115179	0.595300019	1.20274961	0.578400016
10	1.134139657	0.600059986	1.178712249	0.593699992
11	1.12494576	0.605700016	1.1670748	0.591899991
12	1.110881448	0.608280003	1.180252314	0.584999979
13	1.09957993	0.614080012	1.233849168	0.567099988
14	1.088733077	0.617420018	1.172376037	0.592499971
15	1.077084422	0.621999979	1.138850927	0.60799998
16	1.066711068	0.625020027	1.154243112	0.598699987
17	1.066213727	0.624899983	1.157792211	0.595399976
18	1.052988887	0.627919972	1.179854631	0.583999991
19	1.048259854	0.629679978	1.137629509	0.602500021

Test Accuracy: 0.6025000214576721

CIFAR-100

	loss	accuracy	val_loss	val_accuracy
0	3.819633961	0.136059999	3.359554768	0.198500007
1	3.208979368	0.223240003	3.117607355	0.234500006
2	3.030659437	0.255840003	3.005791664	0.257499993
3	2.930408478	0.275759995	2.929171562	0.2755
4	2.857232571	0.289959997	2.899418831	0.282599986
5	2.799043417	0.300280005	2.857076883	0.289799988
6	2.753788233	0.309139997	2.821300268	0.298799992
7	2.712196827	0.317339987	2.777405977	0.307900012
8	2.674483538	0.326000005	2.757798195	0.310799986
9	2.644965887	0.332139999	2.746812344	0.309599996
10	2.613269091	0.337720007	2.728945017	0.315499991
11	2.584531069	0.344119996	2.720404148	0.324299991
12	2.563369274	0.34867999	2.683916569	0.32100001
13	2.537396908	0.354380012	2.691188335	0.325500011
14	2.518936157	0.357899994	2.673247576	0.325599998
15	2.4949646	0.361959994	2.660712481	0.330300003
16	2.479243994	0.365420014	2.649483681	0.3292
17	2.457248211	0.368420005	2.646388531	0.33829999
18	2.439900637	0.374040008	2.631376028	0.337300003
19	2.414948463	0.375739992	2.62908268	0.331900001



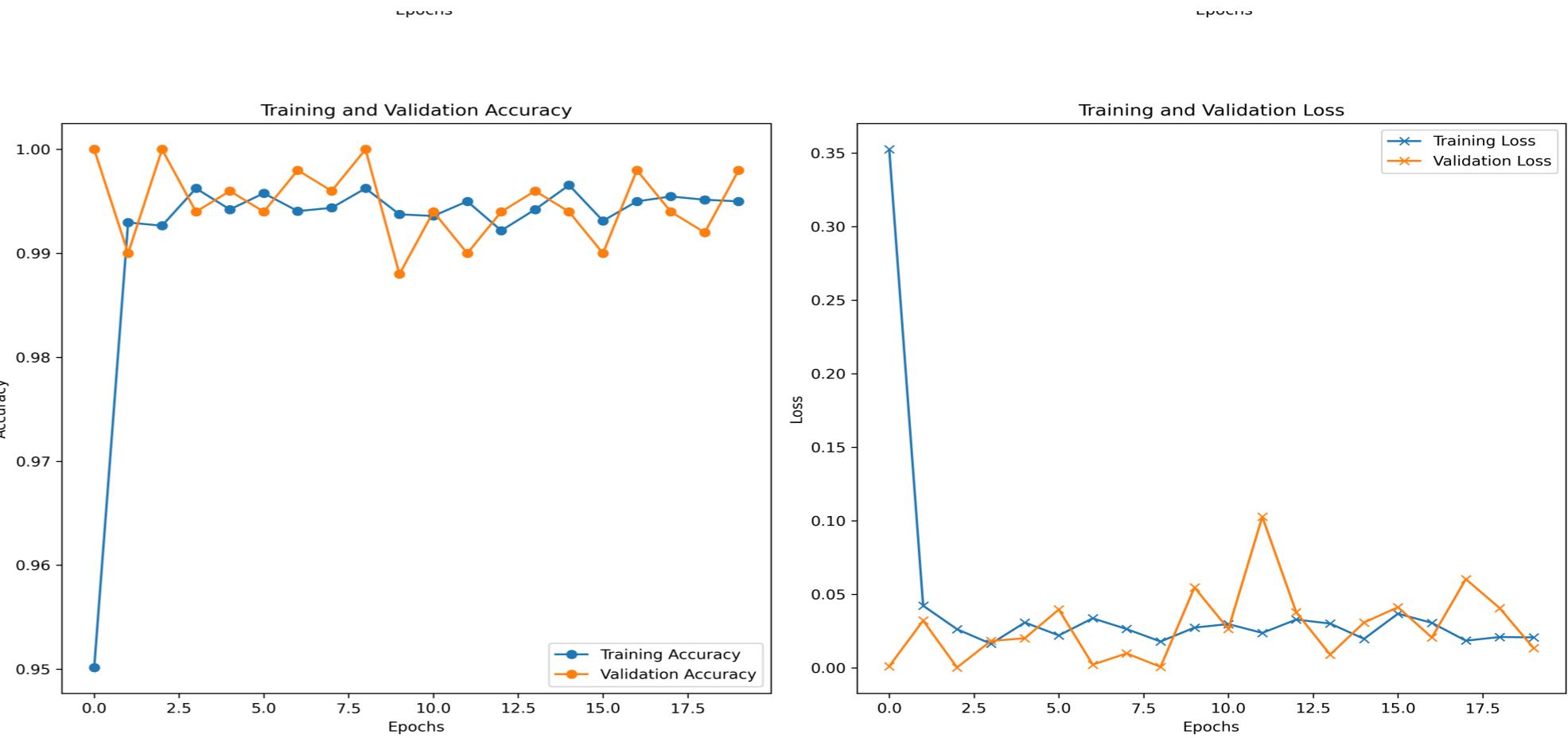
Test Accuracy: 0.3225000214576721

Tiny ImageNet

Epoch

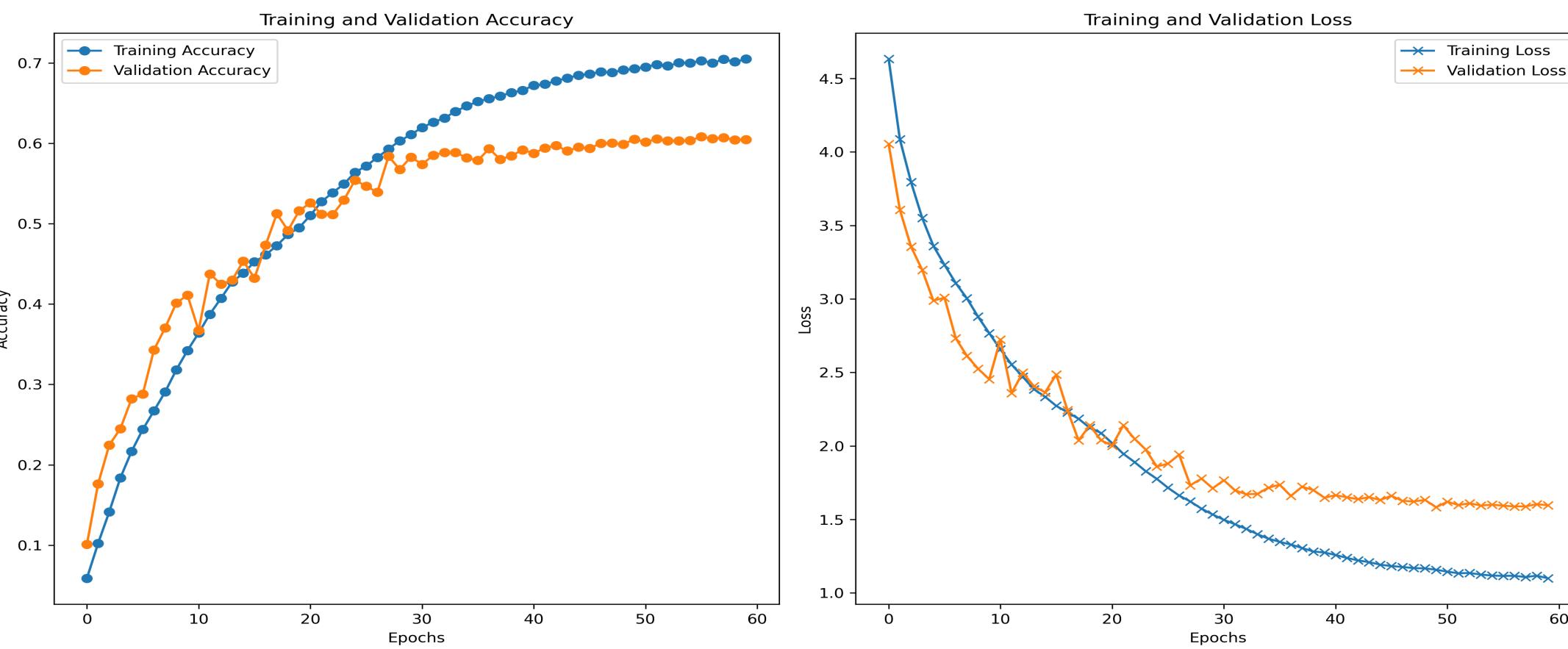
	Training Loss	Training Acc	Validation Loss	Validation Acc
0	0.352540574	0.95015625	0.00106247	1
1	0.042299408	0.99296875	0.032177482	0.99000001
2	0.026292886	0.99265625	0.000275778	1
3	0.016375794	0.99625	0.018314168	0.994000018
4	0.030866613	0.99421875	0.020182673	0.995999992
5	0.022084557	0.99578125	0.039694946	0.994000018
6	0.033713894	0.9940625	0.002224445	0.998000026
7	0.026411624	0.994375	0.009856254	0.995999992
8	0.017921652	0.99625	0.000707703	1
9	0.027400414	0.99375	0.054704152	0.987999976
10	0.029789407	0.99359375	0.026407767	0.994000018
11	0.023762562	0.995	0.102784961	0.99000001
12	0.032843102	0.9921875	0.037842583	0.994000018
13	0.030133497	0.99421875	0.009020829	0.995999992
14	0.019742059	0.9965625	0.030874576	0.994000018
15	0.036868715	0.993125	0.041246586	0.99000001
16	0.030611926	0.995	0.020674367	0.998000026
17	0.018504006	0.99546875	0.060337972	0.994000018
18	0.021002203	0.99515625	0.040599518	0.991999984
19	0.020738312	0.995	0.01337889	0.998000026

Test Accuracy: 0.9940000176429749



CIFAR-100

	loss	accuracy	val_loss	val_accuracy	lr
0	4.631716	0.05884	4.053092	0.1009	0.001
1	4.086836	0.10216	3.606954	0.1762	0.001
2	3.794525	0.14146	3.355512	0.2246	0.001
3	3.550777	0.18388	3.197294	0.2451	0.001
4	3.360931	0.21672	2.988271	0.2822	0.001
5	3.231445	0.24398	3.008614	0.2881	0.001
6	3.108031	0.2671	2.732941	0.3429	0.001
7	3.004044	0.29068	2.612713	0.3703	0.001
8	2.879017	0.31808	2.525345	0.4013	0.001
9	2.767032	0.34222	2.453732	0.4111	0.001
10	2.657211	0.3639	2.724251	0.3672	0.001
11	2.553733	0.38736	2.358968	0.4375	0.001
12	2.47066	0.40708	2.498013	0.4249	0.001
13	2.385914	0.4275	2.406272	0.4298	0.001
14	2.334459	0.43834	2.364235	0.4534	0.001
15	2.272584	0.45246	2.485798	0.4323	0.001
16	2.228786	0.4612	2.243814	0.4733	0.001
17	2.184746	0.47274	2.037513	0.5124	0.001
18	2.122987	0.48662	2.140018	0.4915	0.001
19	2.088272	0.49506	2.039162	0.5161	0.001
20	2.019332	0.51038	2.001953	0.5258	0.000905
21	1.946641	0.52746	2.140235	0.5119	0.000819
22	1.890764	0.53862	2.049017	0.5113	0.000741
23	1.828527	0.54936	1.97628	0.5293	0.00067
24	1.776109	0.56386	1.859228	0.5543	0.000607
25	1.715527	0.5719	1.879489	0.5466	0.000549
26	1.662655	0.58238	1.940637	0.5392	0.000497
27	1.622125	0.59304	1.732212	0.5839	0.000449
28	1.57347	0.60306	1.77764	0.5676	0.000407
29	1.533652	0.6108	1.711884	0.5828	0.000368
30	1.497971	0.61974	1.766592	0.5739	0.000333
31	1.467108	0.62608	1.69802	0.5851	0.000301
32	1.435788	0.6315	1.671916	0.5886	0.000273
33	1.39998	0.63972	1.673499	0.5887	0.000247
34	1.369141	0.64648	1.717143	0.5819	0.000223
35	1.347794	0.65202	1.735926	0.5788	0.000202
36	1.329091	0.6557	1.659853	0.5932	0.000183
37	1.30601	0.6588	1.722203	0.5801	0.000165
38	1.282172	0.66328	1.700197	0.5845	0.00015
39	1.275287	0.6659	1.648189	0.5918	0.000135
40	1.258235	0.67214	1.664696	0.5876	0.000122
41	1.23867	0.67356	1.65106	0.5942	0.000111
42	1.221692	0.67772	1.638503	0.5973	0.0001
43	1.209681	0.6813	1.65127	0.5904	9.07E-05

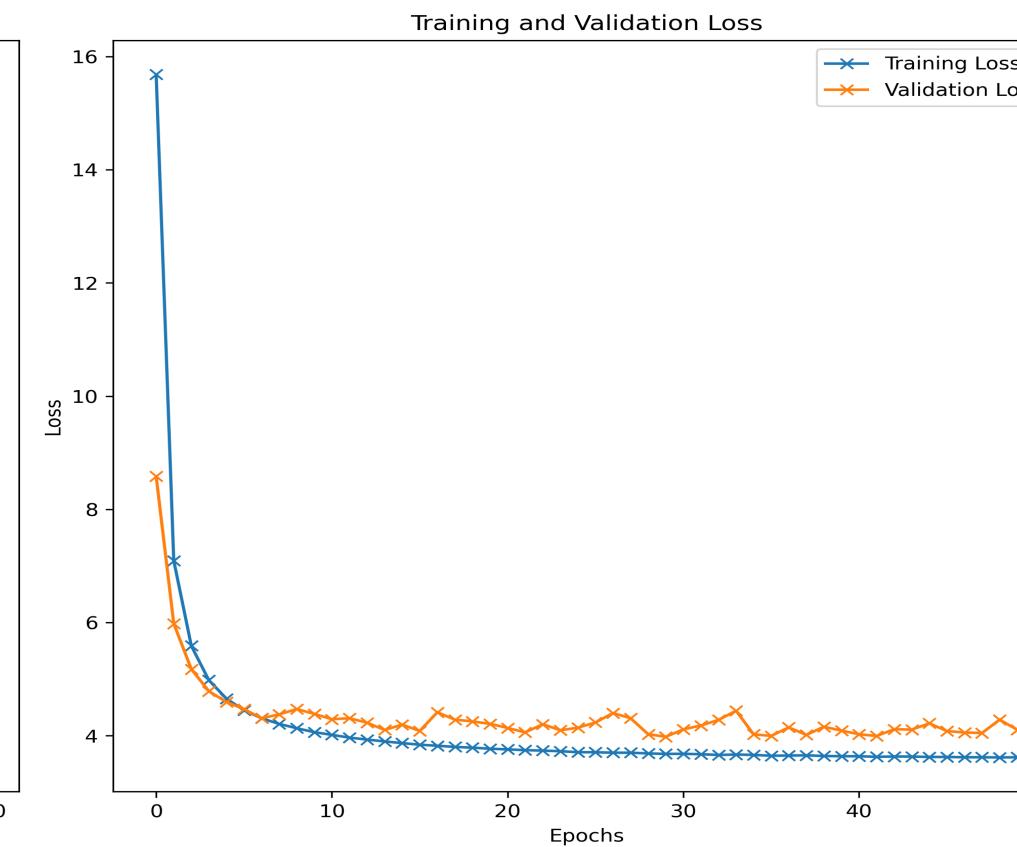
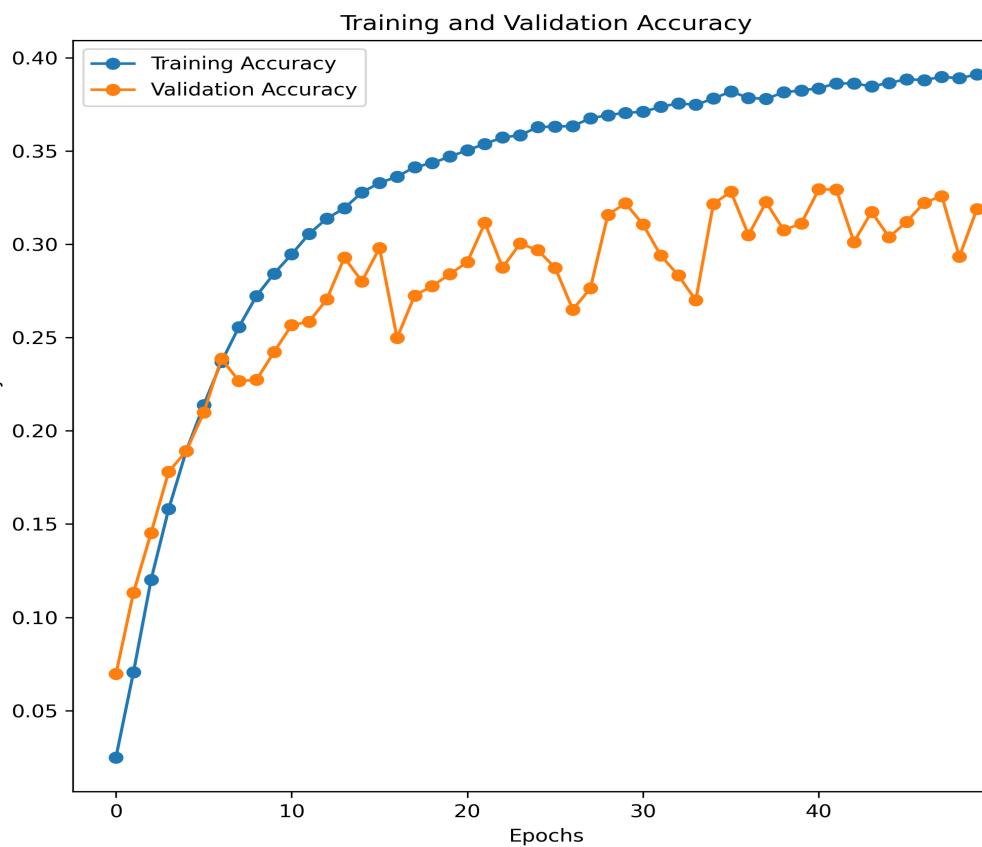


44	1.192429	0.68478	1.632858	0.5952	8.21E-05
45	1.183258	0.6864	1.660219	0.5938	7.43E-05
46	1.176682	0.68898	1.626613	0.6	6.72E-05
47	1.169399	0.68822	1.622521	0.6004	6.08E-05
48	1.167112	0.69118	1.632747	0.5987	5.50E-05
49	1.158187	0.69286	1.583268	0.6052	4.98E-05
50	1.144957	0.69496	1.620557	0.6014	4.50E-05
51	1.134097	0.69798	1.598447	0.6054	4.08E-05
52	1.13571	0.69622	1.609841	0.603	3.69E-05
53	1.12537	0.70022	1.594671	0.6032	3.34E-05
54	1.11847	0.70008	1.600321	0.6036	3.02E-05
55	1.116285	0.70286	1.59361	0.6082	2.73E-05
56	1.117053	0.70004	1.588973	0.606	2.47E-05
57	1.108449	0.70446	1.58884	0.607	2.24E-05
58	1.117572	0.7014	1.603843	0.6044	2.02E-05
59	1.100045	0.70486	1.596701	0.6048	1.83E-05

Test Accuracy: 71.89234

Tiny ImageNet

0	15.67969	0.02488	8.582181	0.0696	1.00E-04
1	7.094246	0.07063	5.982156	0.1133	1.00E-04
2	5.587957	0.12018	5.176978	0.1453	1.00E-04
3	4.980695	0.158	4.787713	0.178	1.00E-04
4	4.655618	0.18917	4.596482	0.1891	1.00E-04
5	4.449856	0.21392	4.471333	0.2099	1.00E-04
6	4.308339	0.23686	4.309326	0.2387	1.00E-04
7	4.20962	0.25571	4.377745	0.2267	1.00E-04
8	4.132969	0.27235	4.471792	0.2273	1.00E-04
9	4.063571	0.28434	4.38649	0.2423	1.00E-04
10	4.015961	0.29465	4.292494	0.2567	1.00E-04
11	3.967413	0.30568	4.309448	0.2586	1.00E-04
12	3.932553	0.31384	4.231244	0.2705	1.00E-04
13	3.90009	0.31933	4.102542	0.2929	1.00E-04
14	3.870343	0.32789	4.19651	0.2801	1.00E-04
15	3.841917	0.33292	4.08559	0.2981	1.00E-04
16	3.823778	0.33627	4.415039	0.2498	1.00E-04
17	3.80307	0.34145	4.285142	0.2726	1.00E-04
18	3.790325	0.34355	4.253942	0.2776	1.00E-04
19	3.771215	0.34705	4.21056	0.284	1.00E-04
20	3.759247	0.35045	4.138474	0.2905	1.00E-04
21	3.746229	0.35387	4.059579	0.3115	1.00E-04
22	3.737605	0.3573	4.203867	0.2875	1.00E-04
23	3.727721	0.35852	4.097901	0.3004	1.00E-04
24	3.709684	0.36281	4.14247	0.2969	1.00E-04
25	3.708782	0.36317	4.234689	0.2874	1.00E-04
26	3.701259	0.36341	4.402052	0.265	1.00E-04
27	3.70011	0.3676	4.308817	0.2764	1.00E-04

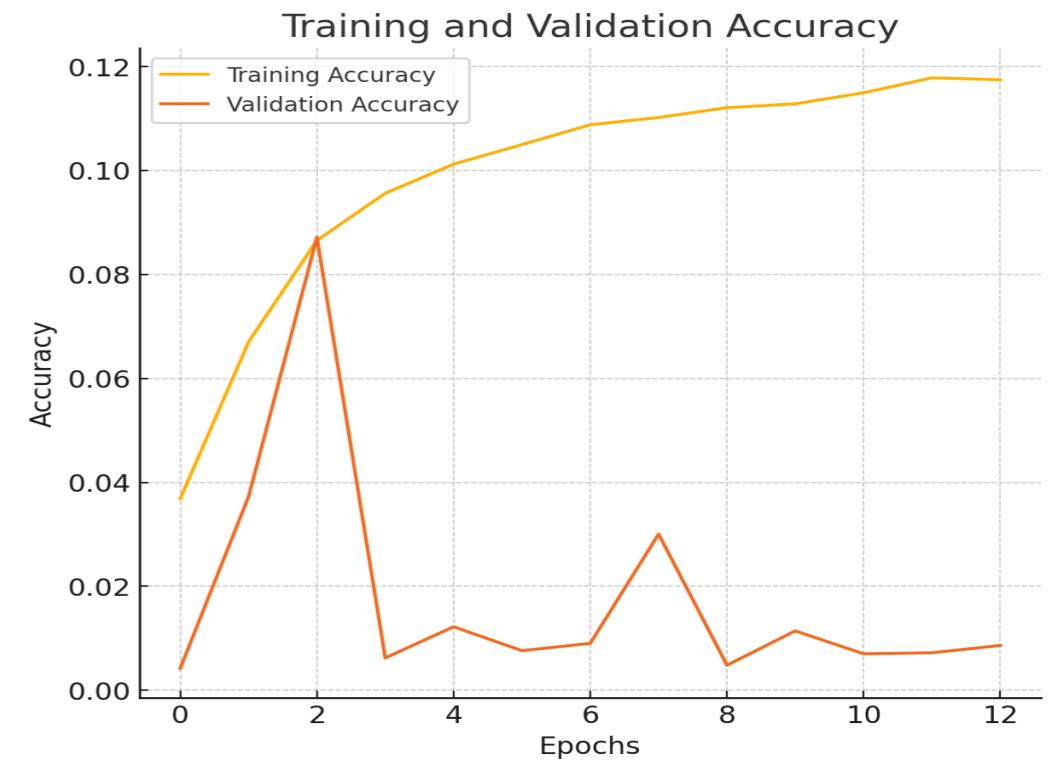
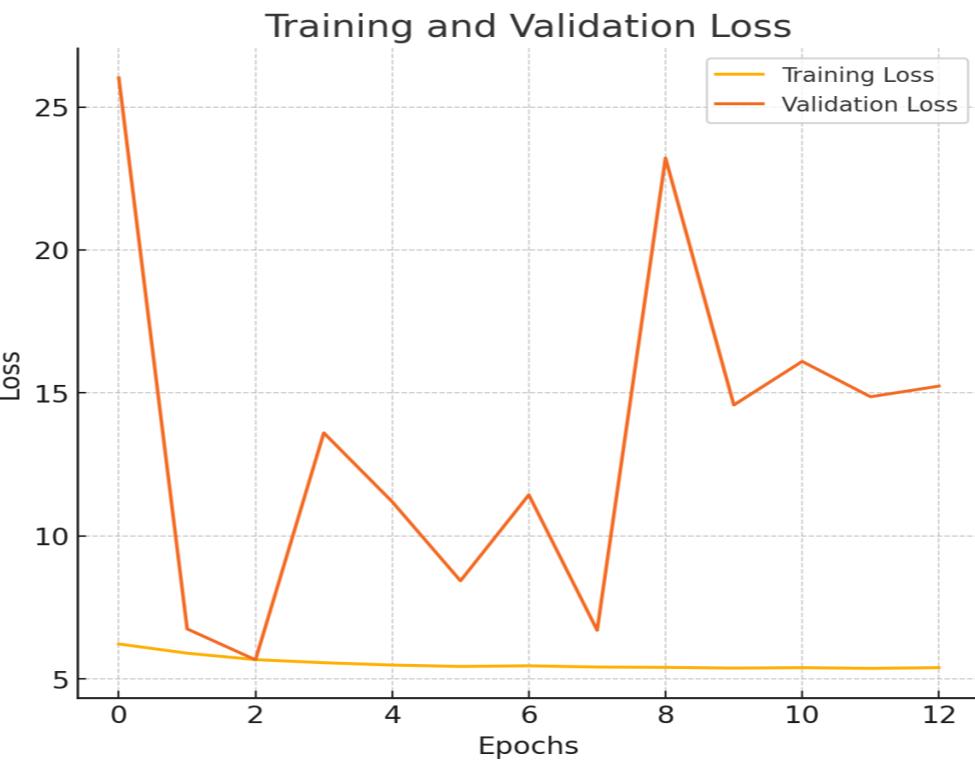


28	3.688388	0.36924	4.027901	0.3159	1.00E-04
29	3.679425	0.37056	3.981784	0.322	1.00E-04
30	3.681314	0.37104	4.112414	0.3106	1.00E-04
31	3.674101	0.37369	4.18214	0.2941	1.00E-04
32	3.660981	0.37559	4.279054	0.2834	1.00E-04
33	3.668881	0.3748	4.443059	0.27	1.00E-04
34	3.661688	0.37815	4.02492	0.3217	1.00E-04
35	3.647717	0.38194	3.998126	0.3282	1.00E-04
36	3.650352	0.37853	4.147363	0.305	1.00E-04
37	3.654904	0.37798	4.014928	0.3226	1.00E-04
38	3.642305	0.38151	4.160054	0.3077	1.00E-04
39	3.639209	0.38254	4.090407	0.3111	1.00E-04
40	3.638212	0.38366	4.026485	0.3295	1.00E-04
41	3.628014	0.38629	3.99613	0.3293	1.00E-04
42	3.633857	0.38628	4.116282	0.3012	1.00E-04
43	3.632764	0.38473	4.108703	0.3174	1.00E-04
44	3.625842	0.38652	4.219356	0.3038	1.00E-04
45	3.625723	0.3885	4.08383	0.3121	1.00E-04
46	3.620554	0.38811	4.057572	0.3223	1.00E-04
47	3.62015	0.38979	4.048996	0.3259	1.00E-04
48	3.617455	0.38908	4.283883	0.2934	1.00E-04
49	3.620161	0.39103	4.106543	0.3189	1.00E-04

Test Accuracy: 40.02387

	loss	accuracy	val_loss	val_accuracy	clr
0	6.22648	0.036844	26.01619	0.004207	0.001
1	5.904052	0.067013	6.753726	0.03726	0.001
2	5.678676	0.086535	5.671416	0.087139	0.001
3	5.570832	0.095601	13.60666	0.00621	0.001
4	5.489325	0.101215	11.20057	0.01222	0.001
5	5.440011	0.104967	8.433698	0.007612	0.001
6	5.463367	0.10879	11.43995	0.009014	0.001
7	5.420113	0.110191	6.704576	0.030048	0.001
8	5.408959	0.112072	23.21483	0.004808	0.001
9	5.383234	0.112812	14.57934	0.011418	0.001
10	5.397692	0.114944	16.10378	0.007011	0.001
11	5.373388	0.117815	14.86815	0.007212	0.001
12	5.398512	0.117455	15.23971	0.008614	0.001

Test Accuracy: 10.03489



	loss	accuracy	val_loss	val_accuracy	lr
0	1.34879	0.64426	1.399636	0.6122	1.00E-04
1	1.21115	0.65696	1.281557	0.6226	1.00E-04
2	1.139866	0.66394	1.178123	0.6459	1.00E-04
3	1.105977	0.67062	1.197047	0.6377	1.00E-04
4	1.091335	0.66874	1.220051	0.6255	1.00E-04
5	1.085278	0.6673	1.231077	0.626	1.00E-04
6	1.074891	0.67174	1.178392	0.6371	1.00E-04
7	1.072627	0.6716	1.174082	0.6381	1.00E-04
8	1.059783	0.67254	1.168736	0.6378	1.00E-04
9	1.055693	0.67456	1.214724	0.6239	1.00E-04
10	1.054062	0.67514	1.141048	0.6469	1.00E-04
11	1.049832	0.67584	1.175637	0.6366	1.00E-04
12	1.045551	0.67492	1.151062	0.6426	1.00E-04
13	1.042701	0.67762	1.100632	0.6565	1.00E-04
14	1.039519	0.67954	1.100882	0.6549	1.00E-04
15	1.04124	0.68108	1.132576	0.6505	1.00E-04
16	1.040021	0.6778	1.066028	0.6704	1.00E-04
17	1.039226	0.68196	1.10412	0.6574	1.00E-04
18	1.0422	0.67782	1.129023	0.6541	1.00E-04
19	1.033128	0.67944	1.171678	0.6457	1.00E-04
20	1.033054	0.68246	1.136893	0.6538	1.00E-04
21	1.033499	0.68032	1.10551	0.6624	1.00E-04
22	1.028811	0.68372	1.099641	0.6612	1.00E-04
23	1.035396	0.68148	1.144871	0.6517	1.00E-04
24	1.034748	0.68016	1.174234	0.6396	1.00E-04
25	1.025748	0.68436	1.127446	0.6537	1.00E-04
26	1.029815	0.68318	1.061613	0.6708	1.00E-04
27	1.027546	0.68372	1.096217	0.6648	1.00E-04
28	1.0266	0.6853	1.077309	0.6673	1.00E-04
29	1.02408	0.68554	1.159772	0.6453	1.00E-04
30	1.018586	0.68646	1.100054	0.6638	1.00E-04
31	1.023146	0.68764	1.134245	0.654	1.00E-04
32	1.020138	0.68784	1.080146	0.667	1.00E-04
33	1.023113	0.68656	1.104292	0.6633	1.00E-04
34	1.021102	0.6862	1.104844	0.6649	1.00E-04
35	1.01766	0.688	1.092532	0.6656	1.00E-04
36	1.019397	0.689	1.098681	0.668	1.00E-04

Test Accuracy: 67.0799970626831%

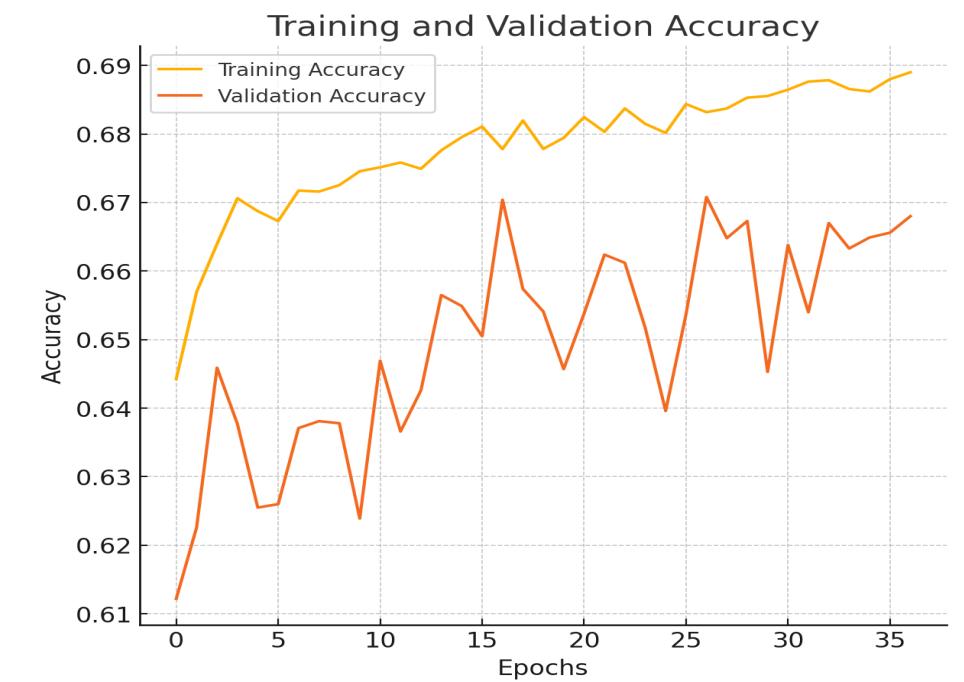
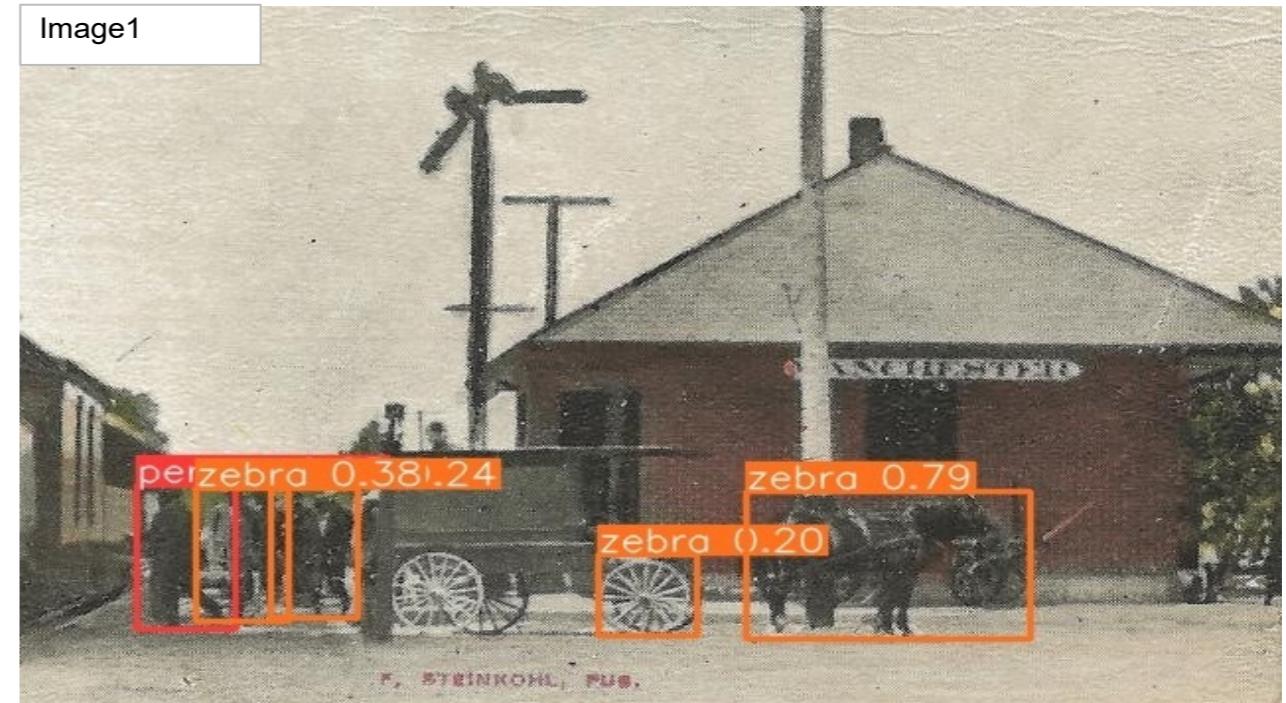
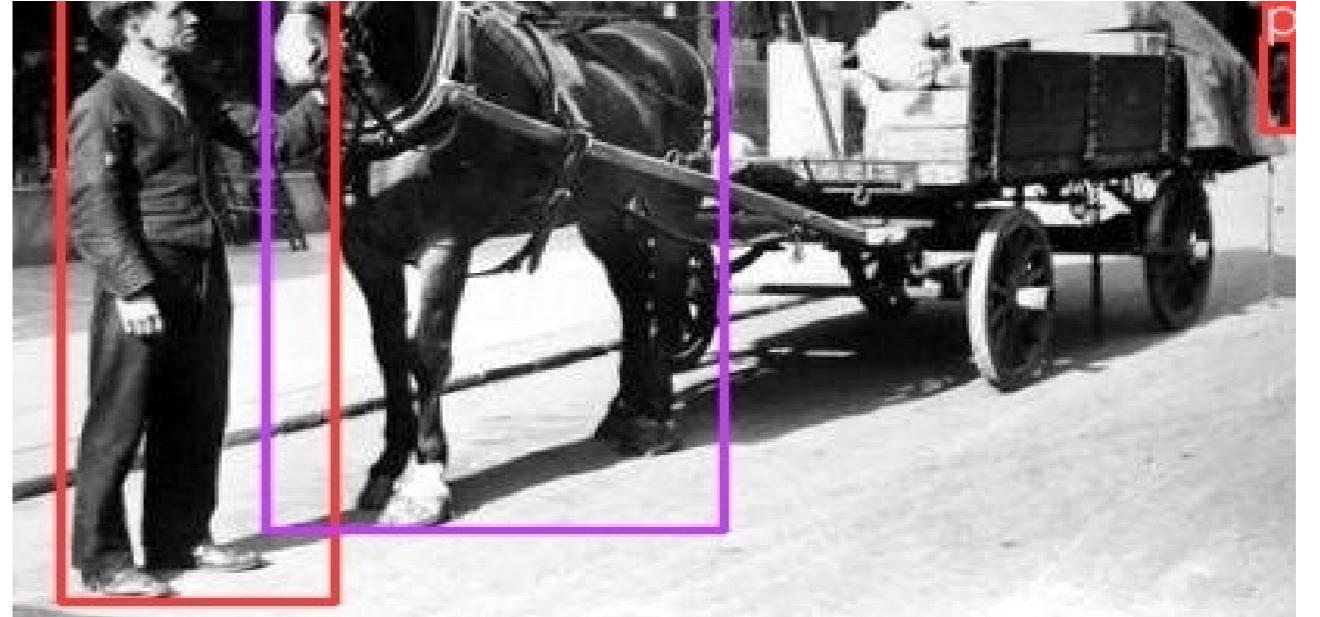


image	predicted_class	predicted_coords	ground_truth_coords	IoU
image1	person	[59, 295, 109, 385]	[57, 295, 105, 384]	0.87516
image2	dog	[180, 245, 269, 336]	[186, 246, 270, 333]	0.882116
image2	vase	[103, 115, 130, 150]	[103, 117, 130, 152]	0.891892
image2	vase	[178, 128, 192, 145]	[178, 128, 191, 147]	0.837121
image2	person	[417, 22, 487, 162]	[419, 22, 487, 169]	0.926431
image2	chair	[279, 87, 364, 164]	[280, 87, 362, 149]	0.776776
image3	horse	[81, 14, 228, 282]	[81, 14, 233, 284]	0.959942
image3	person	[15, 64, 104, 310]	[17, 62, 98, 309]	0.899755





36	0	0.817687988	0.430335	0.612419653
37	0	1.424099881	0.353165	0.494587443
38	0	1.424099895	0.415025	0.605499118
39	0	1.545783955	0.415025	0.605499118
40	0	1.79519105	0.292828	0.483131009
41	0	2.36726667	0.292828	0.483131009
42	0	2.36726667	0.198603	0.203659109
43	0	1.59242228	0.235453	0.32307214
44	0	1.70043659	0.294921	0.422967305
45	0	1.70043659	0.294921	0.422967305
46	0	1.07544155	0.356951	0.55201451
47	0	1.07544155	0.356951	0.55201451
48	0	1.58743759	0.250487	0.286542528
49	0	1.58743759	0.250487	0.286542528
50	0	1.72338628	0.250828	0.341036238
51	0	0.497591594	0.36601	0.614301188
52	0	0.497591594	0.36601	0.614301188
53	0	1.540239155	0.247677	0.315963077
54	0	1.540239155	0.534997	0.719623802
55	0	1.497361054	0.534997	0.719623802
56	0	0.470512602	0.340782	0.612464988
57	0	0.470512602	0.340782	0.612464988
58	0	1.06435898	0.27481	0.40505184
59	0	1.06435898	0.27481	0.40505184
60	0	1.344312191	0.333786	0.444383011
61	0	1.344312191	0.333786	0.444383011
62	0	1.014063478	0.235841	0.487657469
63	0	1.014063478	0.235841	0.487657469
64	0	1.44977722	0.238561	0.566748467
65	0	1.44977722	0.238561	0.566748467
66	0	1.242547512	0.522471	0.613404975
67	0	0.96540729	0.27771	0.47157163
68	0	0.96540729	0.27771	0.47157163
69	0	1.172795576	0.312113	0.429690436
70	0	1.172795576	0.312113	0.429690436
71	0	1.081373764	0.258141	0.592433429
72	0	1.081373764	0.258141	0.592433429
73	0	1.081373764	0.258141	0.592433429
74	0	1.24126044	0.410295	0.466890243
75	0	1.24126044	0.410295	0.466890243
76	0	1.118140101	0.350567	0.453150061
77	0	0.97331938	0.128313	0.219121286
78	0	0.97331938	0.128313	0.219121286
79	0	1.167961478	0.353893	0.497540155
80	0	1.167961478	0.353893	0.497540155
81	0	0.65173851	0.488447	0.56893988
82	0	0.65173851	0.488447	0.56893988
83	0	0.896360219	0.450911	0.558092558

Consistency: Classes with uniformly dark colors across the row have high IoU scores, but it is also precise in delineating the class boundaries in these classes, but it is also precise in delineating the class boundaries in these classes.

Inconsistency: Rows with variable colors (dark to light to white) have low IoU scores. This might be impacted by similar factors as mentioned for accuracy—image quality, class overlap, etc.

Low IoU: Rows with variable colors (dark to light to white) have low IoU scores. This may require revising either the model's ability to generalize for that class or the need for more representative training samples.

82	0	1.147647142	0.302474	0.461446984
83	0	0.32035607	0.827927	0.84953366
84	0	0.905447165	0.367857	0.411221047
85	0	0.87537619	0.639881	0.662391539
86	0	0.87537619	0.639881	0.662391173
87	0	0.92359717	0.360632	0.452716213
88	0	0.87537619	0.639881	0.662391091
89	0	0.93877281	0.317388	0.39177334
90	0	0.86139058	0.434987	0.502467571
91	0	0.86139058	0.434987	0.502467571
92	0	0.386199559	0.53372	0.61136362
93	0	0.90790606	0.505272	0.655309193
94	0	0.408782651	0.7738	0.795684642
95	0	0.775325179	0.35087	0.493944503
96	0	0.775325179	0.35087	0.493944516
97	0	0.775547421	0.77057	0.80258023
98	0	0.780198514	0.23532	0.362873304
99	0	0.587751508	0.291632	0.547061089
100	0	0.587751508	0.291632	0.547061089
101	0	0.613767657	0.44829	0.551620119
102	0	0.741545141	0.452029	0.504240532
103	0	0.641194522	0.452029	0.504240549
104	0	0.641194522	0.814638	0.85335494
105	0	0.862116804	0.158745	0.289191645
106	0	0.497166443	0.55645	0.625095648
107	0	0.862116804	0.158745	0.289191645
108	0	0.656583371	0.232912	0.34265551
109	0	0.83103388	0.349174	0.490428211
110	0	0.76777171	0.232987	0.41033223
111	0	0.76777171	0.232987	0.41033223
112	0	0.70861649	0.237792	0.41033223
113	0	0.70861649	0.237792	0.41033223
114	0	0.648682692	0.225547	0.340750886
115	0	0.792136908	0.320603	0.364682123
116	0	0.792136908	0.320603	0.364682123
117	0	0.460104465	0.34287	0.634011841
118	0	0.417332623	0.473981	0.737334781
119	0	0.610362454	0.353484	0.386196854
120	0	0.610362454	0.353484	0.386196854
121	0	0.636134698	0.628037	0.67967449
122	0	0.636134698	0.628037	0.67967449
123	0	0.610362454	0.353484	0.386196854
124	0	0.610362454	0.353484	0.386196854
125	0	0.451777431	0.5671207	0.651777431
126	0	0.583421767	0.4747459	0.550660409
127	0	0.445645988	0.762984	0.831548038

128	0	0.583478689	0.320185	0.38896864
129	0	0.548998952	0.497648	0.557583477
130	0	0.42933101	0.762868	0.85781475
131	0	0.30348542	0.513287	0.609452479
132	0	0.30348542	0.513287	0.609452479
133	0	0.47412524	0.313189	0.521001513
134	0	0.47412524	0.313189	0.521001513
135	0	0.17641278	0.288777	0.81523267
136	0	0.149574727	0.299977	0.71140934
137	0	0.149574727	0.299977	0.71140934
138	0	0.738262052	0.416986	0.466224469
139	0	0.67329669	0.381568	0.464707996
140	0	0.10426834	0.468046	0.731204806
141	0	0.10426834	0.468046	0.731204806
142	0	0.40275428	0.756653	0.812131667
143	0	0.76989143	0.377651	0.463792886
144	0	0.76989143	0.377651	0.463792886
145	0	0.566938759	0.567216	0.664938324
146	0	0.53482383	0.343016	0.432056472
147	0	0.50935973	0.343433	0.396903472
148	0	0.465209683	0.246715	0.396903413
149	0	0.465209683	0.246715	0.396903413
150	0	0.32731225	0.461415	0.606452602
151	0	0.51210828	0.613006	0.675412268
152	0	0.51210828	0.613006	0.675412254
153	0	0.582389534	0.601016	0.547591987
154	0	0.582389534	0.601016	0.547591987
155	0	0.45613472	0.536265	0.605387196
156	0	0.45613472	0.536265	0.605387196
157	0	0.51210828	0.613006	0.675412268
158	0	0.51210828	0.613006	0.675412268
159	0	0.40958779	0.577686	0.646111385
160	0	0.47310057	0.682053	0.765338321
161	0	0.5328546	0.53314	0.649968445
162	0	0.43624562	0.364033	0.454223297
163	0	0.43624562	0.364033	0.454223297
164	0	0.705181562	0.456971	0.527780446
165	0	0.188259929	0.353004	0.626282643
166	0	0.188259929	0.353004	0.626282636
167	0	0.24318202	0.677095	0.70719744
168	0	0.18328736	0.475095	0.715947397
169	0	0.47034186	0.475095	0.715947397
170	0	0.47034186	0.475095	0.715947397
171	0	0.346517265	0.594743	0.669381401
172	0	0.346517265	0.594743	0.669381401
173	0	0.2884995	0.2981858	0.551528254

174	0	0.475189745	0.553609	0.591766924
175	0	0.263012052	0.494844	0.691444529
176	0	0.301638216	0.493244	0.6737344
177	0	0.3406294	0.351437	0.5936909
178	0	0.3406294	0.351437	0.39889619
179	0	0.271030784	0.3518151	0.532779629
180	0	0.271030784	0.3518151	0.532779629
181	0	0.306195044	0.692628	0.7241898
182	0	0.33062351	0.801673	0.7241898
183	0	0.33062351	0.801673	0.823974125
184	0	0.32967532	0.793222	0.7916778
185	0	0.32967532	0.793222	0.77429729
186	0	0.072562754	0.362818	0.73314732
187	0	0.072562754	0.362818	0.262923181
188	0	0.072562754	0.362818	0.854149485
189	0	0.072562754	0.362818	0.622139054
190	0	0.072562754	0.362818	0.432390812
191	0	0.072562754	0.362818	0.622139054
192	0	0.072562754	0.362818	0.432390812
193	0	0.157169163	0.417995	0.755130355
194	0	0.157169163	0.417995	0.157169163
195	0	0.214409294	0.467953	0.696539725
196	0	0.214409294	0.467953	0.312538478
197	0	0.167633388	0.509105	0.82803935
198	0	0.167633388	0.509105	0.71532015
199	0	0.243393302	0.8030791	0.899301738
200	0	0.243393302	0.8030791	0.899301738
201	0	0.247338697	0.850602	0.87965002



Base Image: Iguazu Falls

Style Reference Image: Starry Night



Base Image: Iris

Style Reference Image: Wave