Epoch 1/1500

76/76 [==============================] - 11s 125ms/step - loss: 0.9010 - accuracy: 0.6159 - val\_loss: 0.7525 - val\_accuracy: 0.6821

Epoch 2/1500

76/76 [==============================] - 9s 123ms/step - loss: 0.7290 - accuracy: 0.6922 - val\_loss: 0.6069 - val\_accuracy: 0.7462

Epoch 3/1500

76/76 [==============================] - 9s 124ms/step - loss: 0.6213 - accuracy: 0.7405 - val\_loss: 0.5418 - val\_accuracy: 0.7769

Epoch 4/1500

76/76 [==============================] - 9s 124ms/step - loss: 0.5704 - accuracy: 0.7637 - val\_loss: 0.5134 - val\_accuracy: 0.7888

Epoch 5/1500

76/76 [==============================] - 10s 128ms/step - loss: 0.5445 - accuracy: 0.7749 - val\_loss: 0.4941 - val\_accuracy: 0.7985

Epoch 6/1500

76/76 [==============================] - 10s 126ms/step - loss: 0.5282 - accuracy: 0.7822 - val\_loss: 0.4781 - val\_accuracy: 0.8041

Epoch 7/1500

76/76 [==============================] - 10s 127ms/step - loss: 0.5145 - accuracy: 0.7882 - val\_loss: 0.4670 - val\_accuracy: 0.8090

Epoch 8/1500

76/76 [==============================] - 10s 128ms/step - loss: 0.5025 - accuracy: 0.7935 - val\_loss: 0.4576 - val\_accuracy: 0.8124

Epoch 9/1500

76/76 [==============================] - 10s 128ms/step - loss: 0.4931 - accuracy: 0.7973 - val\_loss: 0.4434 - val\_accuracy: 0.8196

Epoch 10/1500

76/76 [==============================] - 10s 129ms/step - loss: 0.4829 - accuracy: 0.8023 - val\_loss: 0.4317 - val\_accuracy: 0.8252

Epoch 11/1500

76/76 [==============================] - 10s 129ms/step - loss: 0.4753 - accuracy: 0.8052 - val\_loss: 0.4242 - val\_accuracy: 0.8281

Epoch 12/1500

76/76 [==============================] - 10s 130ms/step - loss: 0.4664 - accuracy: 0.8093 - val\_loss: 0.4143 - val\_accuracy: 0.8333

Epoch 13/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.4590 - accuracy: 0.8124 - val\_loss: 0.4052 - val\_accuracy: 0.8365

Epoch 14/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.4528 - accuracy: 0.8154 - val\_loss: 0.3955 - val\_accuracy: 0.8419

Epoch 15/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.4454 - accuracy: 0.8184 - val\_loss: 0.3862 - val\_accuracy: 0.8458

Epoch 16/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.4390 - accuracy: 0.8214 - val\_loss: 0.3825 - val\_accuracy: 0.8481

Epoch 17/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.4334 - accuracy: 0.8238 - val\_loss: 0.3739 - val\_accuracy: 0.8511

Epoch 18/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.4272 - accuracy: 0.8265 - val\_loss: 0.3663 - val\_accuracy: 0.8527

Epoch 19/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.4213 - accuracy: 0.8292 - val\_loss: 0.3582 - val\_accuracy: 0.8582

Epoch 20/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.4162 - accuracy: 0.8315 - val\_loss: 0.3536 - val\_accuracy: 0.8601

Epoch 21/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.4116 - accuracy: 0.8333 - val\_loss: 0.3461 - val\_accuracy: 0.8630

Epoch 22/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.4055 - accuracy: 0.8356 - val\_loss: 0.3420 - val\_accuracy: 0.8649

Epoch 23/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.4018 - accuracy: 0.8376 - val\_loss: 0.3390 - val\_accuracy: 0.8648

Epoch 24/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.3976 - accuracy: 0.8391 - val\_loss: 0.3298 - val\_accuracy: 0.8698

Epoch 25/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.3937 - accuracy: 0.8409 - val\_loss: 0.3269 - val\_accuracy: 0.8712

Epoch 26/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.3896 - accuracy: 0.8426 - val\_loss: 0.3225 - val\_accuracy: 0.8733

Epoch 27/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.3856 - accuracy: 0.8445 - val\_loss: 0.3202 - val\_accuracy: 0.8729

Epoch 28/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.3820 - accuracy: 0.8460 - val\_loss: 0.3139 - val\_accuracy: 0.8773

Epoch 29/1500

76/76 [==============================] - 10s 134ms/step - loss: 0.3783 - accuracy: 0.8475 - val\_loss: 0.3103 - val\_accuracy: 0.8788

Epoch 30/1500

76/76 [==============================] - 10s 134ms/step - loss: 0.3747 - accuracy: 0.8492 - val\_loss: 0.3061 - val\_accuracy: 0.8810

Epoch 31/1500

76/76 [==============================] - 10s 134ms/step - loss: 0.3731 - accuracy: 0.8500 - val\_loss: 0.3035 - val\_accuracy: 0.8818

Epoch 32/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.3689 - accuracy: 0.8512 - val\_loss: 0.2997 - val\_accuracy: 0.8828

Epoch 33/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.3658 - accuracy: 0.8529 - val\_loss: 0.2961 - val\_accuracy: 0.8841

Epoch 34/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3631 - accuracy: 0.8541 - val\_loss: 0.2939 - val\_accuracy: 0.8859

Epoch 35/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.3614 - accuracy: 0.8549 - val\_loss: 0.2916 - val\_accuracy: 0.8860

Epoch 36/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.3575 - accuracy: 0.8564 - val\_loss: 0.2908 - val\_accuracy: 0.8878

Epoch 37/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.3552 - accuracy: 0.8576 - val\_loss: 0.2849 - val\_accuracy: 0.8891

Epoch 38/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.3528 - accuracy: 0.8582 - val\_loss: 0.2810 - val\_accuracy: 0.8902

Epoch 39/1500

76/76 [==============================] - 10s 134ms/step - loss: 0.3511 - accuracy: 0.8595 - val\_loss: 0.2822 - val\_accuracy: 0.8894

Epoch 40/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.3486 - accuracy: 0.8605 - val\_loss: 0.2772 - val\_accuracy: 0.8913

Epoch 41/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.3464 - accuracy: 0.8615 - val\_loss: 0.2764 - val\_accuracy: 0.8927

Epoch 42/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.3440 - accuracy: 0.8625 - val\_loss: 0.2723 - val\_accuracy: 0.8935

Epoch 43/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.3419 - accuracy: 0.8632 - val\_loss: 0.2720 - val\_accuracy: 0.8947

Epoch 44/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3396 - accuracy: 0.8642 - val\_loss: 0.2703 - val\_accuracy: 0.8958

Epoch 45/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.3374 - accuracy: 0.8650 - val\_loss: 0.2682 - val\_accuracy: 0.8960

Epoch 46/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3362 - accuracy: 0.8657 - val\_loss: 0.2646 - val\_accuracy: 0.8975

Epoch 47/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3354 - accuracy: 0.8660 - val\_loss: 0.2619 - val\_accuracy: 0.8970

Epoch 48/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3343 - accuracy: 0.8666 - val\_loss: 0.2607 - val\_accuracy: 0.8979

Epoch 49/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3317 - accuracy: 0.8675 - val\_loss: 0.2580 - val\_accuracy: 0.8998

Epoch 50/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3295 - accuracy: 0.8685 - val\_loss: 0.2592 - val\_accuracy: 0.8988

Epoch 51/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3283 - accuracy: 0.8688 - val\_loss: 0.2568 - val\_accuracy: 0.8994

Epoch 52/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3274 - accuracy: 0.8694 - val\_loss: 0.2551 - val\_accuracy: 0.9002

Epoch 53/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3254 - accuracy: 0.8700 - val\_loss: 0.2544 - val\_accuracy: 0.9006

Epoch 54/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3242 - accuracy: 0.8709 - val\_loss: 0.2509 - val\_accuracy: 0.9021

Epoch 55/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3224 - accuracy: 0.8715 - val\_loss: 0.2531 - val\_accuracy: 0.9019

Epoch 56/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3209 - accuracy: 0.8724 - val\_loss: 0.2486 - val\_accuracy: 0.9028

Epoch 57/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3204 - accuracy: 0.8720 - val\_loss: 0.2489 - val\_accuracy: 0.9027

Epoch 58/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3180 - accuracy: 0.8733 - val\_loss: 0.2474 - val\_accuracy: 0.9038

Epoch 59/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3176 - accuracy: 0.8733 - val\_loss: 0.2470 - val\_accuracy: 0.9039

Epoch 60/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.3170 - accuracy: 0.8739 - val\_loss: 0.2482 - val\_accuracy: 0.9041

Epoch 61/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3165 - accuracy: 0.8740 - val\_loss: 0.2437 - val\_accuracy: 0.9047

Epoch 62/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3150 - accuracy: 0.8746 - val\_loss: 0.2455 - val\_accuracy: 0.9047

Epoch 63/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3134 - accuracy: 0.8752 - val\_loss: 0.2435 - val\_accuracy: 0.9045

Epoch 64/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.3116 - accuracy: 0.8758 - val\_loss: 0.2418 - val\_accuracy: 0.9062

Epoch 65/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3123 - accuracy: 0.8759 - val\_loss: 0.2416 - val\_accuracy: 0.9054

Epoch 66/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3100 - accuracy: 0.8768 - val\_loss: 0.2404 - val\_accuracy: 0.9061

Epoch 67/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.3087 - accuracy: 0.8773 - val\_loss: 0.2395 - val\_accuracy: 0.9071

Epoch 68/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3080 - accuracy: 0.8775 - val\_loss: 0.2382 - val\_accuracy: 0.9077

Epoch 69/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3069 - accuracy: 0.8777 - val\_loss: 0.2370 - val\_accuracy: 0.9072

Epoch 70/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.3067 - accuracy: 0.8780 - val\_loss: 0.2388 - val\_accuracy: 0.9081

Epoch 71/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3049 - accuracy: 0.8790 - val\_loss: 0.2344 - val\_accuracy: 0.9092

Epoch 72/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.3035 - accuracy: 0.8793 - val\_loss: 0.2337 - val\_accuracy: 0.9092

Epoch 73/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.3036 - accuracy: 0.8796 - val\_loss: 0.2351 - val\_accuracy: 0.9080

Epoch 74/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3035 - accuracy: 0.8791 - val\_loss: 0.2336 - val\_accuracy: 0.9088

Epoch 75/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3024 - accuracy: 0.8796 - val\_loss: 0.2329 - val\_accuracy: 0.9091

Epoch 76/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.3016 - accuracy: 0.8800 - val\_loss: 0.2331 - val\_accuracy: 0.9085

Epoch 77/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3014 - accuracy: 0.8804 - val\_loss: 0.2329 - val\_accuracy: 0.9096

Epoch 78/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.3009 - accuracy: 0.8805 - val\_loss: 0.2292 - val\_accuracy: 0.9106

Epoch 79/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2990 - accuracy: 0.8811 - val\_loss: 0.2304 - val\_accuracy: 0.9100

Epoch 80/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2980 - accuracy: 0.8817 - val\_loss: 0.2299 - val\_accuracy: 0.9105

Epoch 81/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2984 - accuracy: 0.8817 - val\_loss: 0.2292 - val\_accuracy: 0.9102

Epoch 82/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2975 - accuracy: 0.8817 - val\_loss: 0.2271 - val\_accuracy: 0.9114

Epoch 83/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2961 - accuracy: 0.8823 - val\_loss: 0.2270 - val\_accuracy: 0.9115

Epoch 84/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2964 - accuracy: 0.8822 - val\_loss: 0.2288 - val\_accuracy: 0.9117

Epoch 85/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2963 - accuracy: 0.8823 - val\_loss: 0.2267 - val\_accuracy: 0.9120

Epoch 86/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.2950 - accuracy: 0.8829 - val\_loss: 0.2258 - val\_accuracy: 0.9118

Epoch 87/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2937 - accuracy: 0.8832 - val\_loss: 0.2242 - val\_accuracy: 0.9123

Epoch 88/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2938 - accuracy: 0.8833 - val\_loss: 0.2246 - val\_accuracy: 0.9129

Epoch 89/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2933 - accuracy: 0.8837 - val\_loss: 0.2240 - val\_accuracy: 0.9124

Epoch 90/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2926 - accuracy: 0.8840 - val\_loss: 0.2234 - val\_accuracy: 0.9133

Epoch 91/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2918 - accuracy: 0.8846 - val\_loss: 0.2240 - val\_accuracy: 0.9118

Epoch 92/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2914 - accuracy: 0.8842 - val\_loss: 0.2227 - val\_accuracy: 0.9129

Epoch 93/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2914 - accuracy: 0.8844 - val\_loss: 0.2228 - val\_accuracy: 0.9131

Epoch 94/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2898 - accuracy: 0.8848 - val\_loss: 0.2220 - val\_accuracy: 0.9134

Epoch 95/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2899 - accuracy: 0.8851 - val\_loss: 0.2210 - val\_accuracy: 0.9139

Epoch 96/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2911 - accuracy: 0.8846 - val\_loss: 0.2208 - val\_accuracy: 0.9137

Epoch 97/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2902 - accuracy: 0.8851 - val\_loss: 0.2247 - val\_accuracy: 0.9121

Epoch 98/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2882 - accuracy: 0.8860 - val\_loss: 0.2217 - val\_accuracy: 0.9137

Epoch 99/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2874 - accuracy: 0.8860 - val\_loss: 0.2203 - val\_accuracy: 0.9145

Epoch 100/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2875 - accuracy: 0.8864 - val\_loss: 0.2213 - val\_accuracy: 0.9132

Epoch 101/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2874 - accuracy: 0.8861 - val\_loss: 0.2194 - val\_accuracy: 0.9141

Epoch 102/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2854 - accuracy: 0.8869 - val\_loss: 0.2201 - val\_accuracy: 0.9144

Epoch 103/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2862 - accuracy: 0.8866 - val\_loss: 0.2160 - val\_accuracy: 0.9154

Epoch 104/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.2851 - accuracy: 0.8867 - val\_loss: 0.2184 - val\_accuracy: 0.9137

Epoch 105/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2851 - accuracy: 0.8872 - val\_loss: 0.2173 - val\_accuracy: 0.9149

Epoch 106/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2840 - accuracy: 0.8875 - val\_loss: 0.2167 - val\_accuracy: 0.9152

Epoch 107/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2842 - accuracy: 0.8873 - val\_loss: 0.2158 - val\_accuracy: 0.9162

Epoch 108/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2832 - accuracy: 0.8878 - val\_loss: 0.2178 - val\_accuracy: 0.9156

Epoch 109/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2838 - accuracy: 0.8876 - val\_loss: 0.2197 - val\_accuracy: 0.9149

Epoch 110/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2839 - accuracy: 0.8874 - val\_loss: 0.2168 - val\_accuracy: 0.9141

Epoch 111/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2834 - accuracy: 0.8879 - val\_loss: 0.2153 - val\_accuracy: 0.9160

Epoch 112/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2819 - accuracy: 0.8885 - val\_loss: 0.2148 - val\_accuracy: 0.9156

Epoch 113/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2823 - accuracy: 0.8882 - val\_loss: 0.2151 - val\_accuracy: 0.9158

Epoch 114/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2814 - accuracy: 0.8885 - val\_loss: 0.2138 - val\_accuracy: 0.9164

Epoch 115/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2816 - accuracy: 0.8881 - val\_loss: 0.2142 - val\_accuracy: 0.9163

Epoch 116/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2805 - accuracy: 0.8892 - val\_loss: 0.2148 - val\_accuracy: 0.9161

Epoch 117/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2804 - accuracy: 0.8891 - val\_loss: 0.2123 - val\_accuracy: 0.9163

Epoch 118/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2800 - accuracy: 0.8892 - val\_loss: 0.2122 - val\_accuracy: 0.9169

Epoch 119/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2794 - accuracy: 0.8892 - val\_loss: 0.2135 - val\_accuracy: 0.9162

Epoch 120/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2801 - accuracy: 0.8893 - val\_loss: 0.2117 - val\_accuracy: 0.9174

Epoch 121/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2804 - accuracy: 0.8890 - val\_loss: 0.2123 - val\_accuracy: 0.9167

Epoch 122/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2785 - accuracy: 0.8897 - val\_loss: 0.2116 - val\_accuracy: 0.9171

Epoch 123/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2790 - accuracy: 0.8897 - val\_loss: 0.2125 - val\_accuracy: 0.9169

Epoch 124/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2781 - accuracy: 0.8898 - val\_loss: 0.2126 - val\_accuracy: 0.9169

Epoch 125/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2787 - accuracy: 0.8897 - val\_loss: 0.2102 - val\_accuracy: 0.9175

Epoch 126/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2777 - accuracy: 0.8901 - val\_loss: 0.2103 - val\_accuracy: 0.9172

Epoch 127/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2776 - accuracy: 0.8900 - val\_loss: 0.2112 - val\_accuracy: 0.9180

Epoch 128/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2766 - accuracy: 0.8904 - val\_loss: 0.2110 - val\_accuracy: 0.9177

Epoch 129/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2765 - accuracy: 0.8909 - val\_loss: 0.2094 - val\_accuracy: 0.9179

Epoch 130/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2768 - accuracy: 0.8905 - val\_loss: 0.2105 - val\_accuracy: 0.9177

Epoch 131/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2753 - accuracy: 0.8910 - val\_loss: 0.2099 - val\_accuracy: 0.9180

Epoch 132/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2760 - accuracy: 0.8906 - val\_loss: 0.2088 - val\_accuracy: 0.9180

Epoch 133/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2764 - accuracy: 0.8906 - val\_loss: 0.2100 - val\_accuracy: 0.9173

Epoch 134/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2747 - accuracy: 0.8913 - val\_loss: 0.2102 - val\_accuracy: 0.9186

Epoch 135/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2753 - accuracy: 0.8910 - val\_loss: 0.2106 - val\_accuracy: 0.9179

Epoch 136/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2749 - accuracy: 0.8913 - val\_loss: 0.2099 - val\_accuracy: 0.9185

Epoch 137/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2741 - accuracy: 0.8918 - val\_loss: 0.2076 - val\_accuracy: 0.9180

Epoch 138/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2751 - accuracy: 0.8912 - val\_loss: 0.2079 - val\_accuracy: 0.9183

Epoch 139/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2748 - accuracy: 0.8914 - val\_loss: 0.2081 - val\_accuracy: 0.9189

Epoch 140/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2735 - accuracy: 0.8920 - val\_loss: 0.2073 - val\_accuracy: 0.9189

Epoch 141/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2730 - accuracy: 0.8921 - val\_loss: 0.2112 - val\_accuracy: 0.9183

Epoch 142/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2729 - accuracy: 0.8922 - val\_loss: 0.2063 - val\_accuracy: 0.9189

Epoch 143/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2729 - accuracy: 0.8923 - val\_loss: 0.2070 - val\_accuracy: 0.9191

Epoch 144/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2722 - accuracy: 0.8924 - val\_loss: 0.2069 - val\_accuracy: 0.9188

Epoch 145/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2719 - accuracy: 0.8928 - val\_loss: 0.2078 - val\_accuracy: 0.9183

Epoch 146/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2723 - accuracy: 0.8924 - val\_loss: 0.2065 - val\_accuracy: 0.9188

Epoch 147/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2720 - accuracy: 0.8924 - val\_loss: 0.2060 - val\_accuracy: 0.9193

Epoch 148/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2715 - accuracy: 0.8926 - val\_loss: 0.2059 - val\_accuracy: 0.9195

Epoch 149/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2714 - accuracy: 0.8927 - val\_loss: 0.2061 - val\_accuracy: 0.9193

Epoch 150/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2717 - accuracy: 0.8928 - val\_loss: 0.2046 - val\_accuracy: 0.9197

Epoch 151/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2703 - accuracy: 0.8933 - val\_loss: 0.2041 - val\_accuracy: 0.9198

Epoch 152/1500

76/76 [==============================] - 10s 138ms/step - loss: 0.2718 - accuracy: 0.8926 - val\_loss: 0.2070 - val\_accuracy: 0.9192

Epoch 153/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2710 - accuracy: 0.8930 - val\_loss: 0.2042 - val\_accuracy: 0.9198

Epoch 154/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2700 - accuracy: 0.8932 - val\_loss: 0.2040 - val\_accuracy: 0.9199

Epoch 155/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2704 - accuracy: 0.8931 - val\_loss: 0.2051 - val\_accuracy: 0.9198

Epoch 156/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2694 - accuracy: 0.8933 - val\_loss: 0.2052 - val\_accuracy: 0.9200

Epoch 157/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2702 - accuracy: 0.8932 - val\_loss: 0.2046 - val\_accuracy: 0.9197

Epoch 158/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2701 - accuracy: 0.8934 - val\_loss: 0.2051 - val\_accuracy: 0.9195

Epoch 159/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2692 - accuracy: 0.8936 - val\_loss: 0.2050 - val\_accuracy: 0.9197

Epoch 160/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2693 - accuracy: 0.8938 - val\_loss: 0.2059 - val\_accuracy: 0.9196

Epoch 161/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2693 - accuracy: 0.8934 - val\_loss: 0.2035 - val\_accuracy: 0.9199

Epoch 162/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2691 - accuracy: 0.8938 - val\_loss: 0.2046 - val\_accuracy: 0.9192

Epoch 163/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2688 - accuracy: 0.8937 - val\_loss: 0.2020 - val\_accuracy: 0.9202

Epoch 164/1500

76/76 [==============================] - 11s 139ms/step - loss: 0.2683 - accuracy: 0.8942 - val\_loss: 0.2031 - val\_accuracy: 0.9200

Epoch 165/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2682 - accuracy: 0.8941 - val\_loss: 0.2034 - val\_accuracy: 0.9201

Epoch 166/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2675 - accuracy: 0.8942 - val\_loss: 0.2028 - val\_accuracy: 0.9207

Epoch 167/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2680 - accuracy: 0.8943 - val\_loss: 0.2032 - val\_accuracy: 0.9200

Epoch 168/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2686 - accuracy: 0.8939 - val\_loss: 0.2064 - val\_accuracy: 0.9199

Epoch 169/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2680 - accuracy: 0.8937 - val\_loss: 0.2029 - val\_accuracy: 0.9205

Epoch 170/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2672 - accuracy: 0.8944 - val\_loss: 0.2033 - val\_accuracy: 0.9208

Epoch 171/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2667 - accuracy: 0.8949 - val\_loss: 0.2025 - val\_accuracy: 0.9203

Epoch 172/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2665 - accuracy: 0.8945 - val\_loss: 0.2019 - val\_accuracy: 0.9204

Epoch 173/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2676 - accuracy: 0.8942 - val\_loss: 0.2017 - val\_accuracy: 0.9210

Epoch 174/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2667 - accuracy: 0.8946 - val\_loss: 0.2020 - val\_accuracy: 0.9206

Epoch 175/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2670 - accuracy: 0.8945 - val\_loss: 0.2000 - val\_accuracy: 0.9211

Epoch 176/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2668 - accuracy: 0.8946 - val\_loss: 0.2028 - val\_accuracy: 0.9205

Epoch 177/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2663 - accuracy: 0.8947 - val\_loss: 0.2029 - val\_accuracy: 0.9209

Epoch 178/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2657 - accuracy: 0.8951 - val\_loss: 0.2014 - val\_accuracy: 0.9212

Epoch 179/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2653 - accuracy: 0.8953 - val\_loss: 0.1997 - val\_accuracy: 0.9217

Epoch 180/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2658 - accuracy: 0.8951 - val\_loss: 0.2020 - val\_accuracy: 0.9209

Epoch 181/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2656 - accuracy: 0.8954 - val\_loss: 0.2013 - val\_accuracy: 0.9203

Epoch 182/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2653 - accuracy: 0.8954 - val\_loss: 0.2032 - val\_accuracy: 0.9200

Epoch 183/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2652 - accuracy: 0.8954 - val\_loss: 0.2028 - val\_accuracy: 0.9203

Epoch 184/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2659 - accuracy: 0.8952 - val\_loss: 0.2001 - val\_accuracy: 0.9212

Epoch 185/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2649 - accuracy: 0.8955 - val\_loss: 0.2003 - val\_accuracy: 0.9214

Epoch 186/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2645 - accuracy: 0.8953 - val\_loss: 0.2000 - val\_accuracy: 0.9215

Epoch 187/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2641 - accuracy: 0.8954 - val\_loss: 0.2026 - val\_accuracy: 0.9207

Epoch 188/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2646 - accuracy: 0.8955 - val\_loss: 0.1996 - val\_accuracy: 0.9214

Epoch 189/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2638 - accuracy: 0.8959 - val\_loss: 0.2009 - val\_accuracy: 0.9216

Epoch 190/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2640 - accuracy: 0.8957 - val\_loss: 0.2006 - val\_accuracy: 0.9213

Epoch 191/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2642 - accuracy: 0.8956 - val\_loss: 0.1997 - val\_accuracy: 0.9214

Epoch 192/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2630 - accuracy: 0.8962 - val\_loss: 0.1989 - val\_accuracy: 0.9220

Epoch 193/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2627 - accuracy: 0.8960 - val\_loss: 0.2002 - val\_accuracy: 0.9207

Epoch 194/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2635 - accuracy: 0.8960 - val\_loss: 0.2012 - val\_accuracy: 0.9223

Epoch 195/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2631 - accuracy: 0.8962 - val\_loss: 0.1985 - val\_accuracy: 0.9220

Epoch 196/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2634 - accuracy: 0.8959 - val\_loss: 0.1998 - val\_accuracy: 0.9211

Epoch 197/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2640 - accuracy: 0.8960 - val\_loss: 0.1993 - val\_accuracy: 0.9218

Epoch 198/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2622 - accuracy: 0.8967 - val\_loss: 0.1999 - val\_accuracy: 0.9218

Epoch 199/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2624 - accuracy: 0.8963 - val\_loss: 0.2014 - val\_accuracy: 0.9218

Epoch 200/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2627 - accuracy: 0.8963 - val\_loss: 0.1982 - val\_accuracy: 0.9222

Epoch 201/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2621 - accuracy: 0.8965 - val\_loss: 0.1975 - val\_accuracy: 0.9226

Epoch 202/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2631 - accuracy: 0.8962 - val\_loss: 0.1978 - val\_accuracy: 0.9222

Epoch 203/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2610 - accuracy: 0.8969 - val\_loss: 0.1975 - val\_accuracy: 0.9227

Epoch 204/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2621 - accuracy: 0.8967 - val\_loss: 0.1977 - val\_accuracy: 0.9218

Epoch 205/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2622 - accuracy: 0.8964 - val\_loss: 0.1969 - val\_accuracy: 0.9223

Epoch 206/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2615 - accuracy: 0.8969 - val\_loss: 0.1994 - val\_accuracy: 0.9216

Epoch 207/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2620 - accuracy: 0.8965 - val\_loss: 0.2004 - val\_accuracy: 0.9206

Epoch 208/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2613 - accuracy: 0.8968 - val\_loss: 0.1976 - val\_accuracy: 0.9222

Epoch 209/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2620 - accuracy: 0.8966 - val\_loss: 0.1973 - val\_accuracy: 0.9223

Epoch 210/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2612 - accuracy: 0.8970 - val\_loss: 0.1973 - val\_accuracy: 0.9225

Epoch 211/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2614 - accuracy: 0.8971 - val\_loss: 0.1972 - val\_accuracy: 0.9231

Epoch 212/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2609 - accuracy: 0.8969 - val\_loss: 0.1978 - val\_accuracy: 0.9220

Epoch 213/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2614 - accuracy: 0.8968 - val\_loss: 0.1974 - val\_accuracy: 0.9221

Epoch 214/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2601 - accuracy: 0.8973 - val\_loss: 0.1963 - val\_accuracy: 0.9227

Epoch 215/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2598 - accuracy: 0.8975 - val\_loss: 0.1972 - val\_accuracy: 0.9220

Epoch 216/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2609 - accuracy: 0.8970 - val\_loss: 0.1984 - val\_accuracy: 0.9225

Epoch 217/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2604 - accuracy: 0.8974 - val\_loss: 0.1971 - val\_accuracy: 0.9222

Epoch 218/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2599 - accuracy: 0.8976 - val\_loss: 0.1962 - val\_accuracy: 0.9223

Epoch 219/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2607 - accuracy: 0.8972 - val\_loss: 0.1990 - val\_accuracy: 0.9222

Epoch 220/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2602 - accuracy: 0.8973 - val\_loss: 0.1963 - val\_accuracy: 0.9230

Epoch 221/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2598 - accuracy: 0.8974 - val\_loss: 0.1976 - val\_accuracy: 0.9216

Epoch 222/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2596 - accuracy: 0.8975 - val\_loss: 0.1980 - val\_accuracy: 0.9222

Epoch 223/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2602 - accuracy: 0.8973 - val\_loss: 0.1959 - val\_accuracy: 0.9229

Epoch 224/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2596 - accuracy: 0.8977 - val\_loss: 0.1967 - val\_accuracy: 0.9225

Epoch 225/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2598 - accuracy: 0.8974 - val\_loss: 0.1980 - val\_accuracy: 0.9217

Epoch 226/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2600 - accuracy: 0.8973 - val\_loss: 0.1951 - val\_accuracy: 0.9231

Epoch 227/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2600 - accuracy: 0.8976 - val\_loss: 0.1968 - val\_accuracy: 0.9219

Epoch 228/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2589 - accuracy: 0.8977 - val\_loss: 0.1971 - val\_accuracy: 0.9228

Epoch 229/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2589 - accuracy: 0.8981 - val\_loss: 0.1959 - val\_accuracy: 0.9228

Epoch 230/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2587 - accuracy: 0.8981 - val\_loss: 0.1953 - val\_accuracy: 0.9230

Epoch 231/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2586 - accuracy: 0.8978 - val\_loss: 0.1954 - val\_accuracy: 0.9234

Epoch 232/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2584 - accuracy: 0.8979 - val\_loss: 0.1948 - val\_accuracy: 0.9228

Epoch 233/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2592 - accuracy: 0.8978 - val\_loss: 0.1960 - val\_accuracy: 0.9231

Epoch 234/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2590 - accuracy: 0.8977 - val\_loss: 0.1967 - val\_accuracy: 0.9224

Epoch 235/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2585 - accuracy: 0.8980 - val\_loss: 0.1958 - val\_accuracy: 0.9228

Epoch 236/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2590 - accuracy: 0.8978 - val\_loss: 0.1962 - val\_accuracy: 0.9230

Epoch 237/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2583 - accuracy: 0.8978 - val\_loss: 0.1940 - val\_accuracy: 0.9235

Epoch 238/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2584 - accuracy: 0.8980 - val\_loss: 0.1968 - val\_accuracy: 0.9222

Epoch 239/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2584 - accuracy: 0.8978 - val\_loss: 0.1954 - val\_accuracy: 0.9233

Epoch 240/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2582 - accuracy: 0.8981 - val\_loss: 0.1952 - val\_accuracy: 0.9235

Epoch 241/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2581 - accuracy: 0.8982 - val\_loss: 0.1941 - val\_accuracy: 0.9230

Epoch 242/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2584 - accuracy: 0.8983 - val\_loss: 0.1969 - val\_accuracy: 0.9227

Epoch 243/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2580 - accuracy: 0.8979 - val\_loss: 0.1943 - val\_accuracy: 0.9235

Epoch 244/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2574 - accuracy: 0.8984 - val\_loss: 0.1946 - val\_accuracy: 0.9231

Epoch 245/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2576 - accuracy: 0.8986 - val\_loss: 0.1950 - val\_accuracy: 0.9234

Epoch 246/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2571 - accuracy: 0.8985 - val\_loss: 0.1948 - val\_accuracy: 0.9234

Epoch 247/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2573 - accuracy: 0.8985 - val\_loss: 0.1949 - val\_accuracy: 0.9233

Epoch 248/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2570 - accuracy: 0.8982 - val\_loss: 0.1953 - val\_accuracy: 0.9231

Epoch 249/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2568 - accuracy: 0.8988 - val\_loss: 0.1949 - val\_accuracy: 0.9231

Epoch 250/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2573 - accuracy: 0.8984 - val\_loss: 0.1940 - val\_accuracy: 0.9231

Epoch 251/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2569 - accuracy: 0.8986 - val\_loss: 0.1932 - val\_accuracy: 0.9234

Epoch 252/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2572 - accuracy: 0.8987 - val\_loss: 0.1938 - val\_accuracy: 0.9239

Epoch 253/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2563 - accuracy: 0.8988 - val\_loss: 0.1930 - val\_accuracy: 0.9238

Epoch 254/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2564 - accuracy: 0.8990 - val\_loss: 0.1935 - val\_accuracy: 0.9237

Epoch 255/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2565 - accuracy: 0.8990 - val\_loss: 0.1932 - val\_accuracy: 0.9236

Epoch 256/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2561 - accuracy: 0.8990 - val\_loss: 0.1948 - val\_accuracy: 0.9237

Epoch 257/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2567 - accuracy: 0.8988 - val\_loss: 0.1939 - val\_accuracy: 0.9238

Epoch 258/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2560 - accuracy: 0.8991 - val\_loss: 0.1931 - val\_accuracy: 0.9232

Epoch 259/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2560 - accuracy: 0.8990 - val\_loss: 0.1931 - val\_accuracy: 0.9238

Epoch 260/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2562 - accuracy: 0.8989 - val\_loss: 0.1939 - val\_accuracy: 0.9236

Epoch 261/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2559 - accuracy: 0.8990 - val\_loss: 0.1937 - val\_accuracy: 0.9236

Epoch 262/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2558 - accuracy: 0.8992 - val\_loss: 0.1928 - val\_accuracy: 0.9235

Epoch 263/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2563 - accuracy: 0.8990 - val\_loss: 0.1924 - val\_accuracy: 0.9240

Epoch 264/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2561 - accuracy: 0.8988 - val\_loss: 0.1919 - val\_accuracy: 0.9243

Epoch 265/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2555 - accuracy: 0.8992 - val\_loss: 0.1932 - val\_accuracy: 0.9241

Epoch 266/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2550 - accuracy: 0.8993 - val\_loss: 0.1935 - val\_accuracy: 0.9236

Epoch 267/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2553 - accuracy: 0.8995 - val\_loss: 0.1922 - val\_accuracy: 0.9244

Epoch 268/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2549 - accuracy: 0.8995 - val\_loss: 0.1923 - val\_accuracy: 0.9235

Epoch 269/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2544 - accuracy: 0.8996 - val\_loss: 0.1924 - val\_accuracy: 0.9240

Epoch 270/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2558 - accuracy: 0.8993 - val\_loss: 0.1931 - val\_accuracy: 0.9242

Epoch 271/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2575 - accuracy: 0.8987 - val\_loss: 0.1930 - val\_accuracy: 0.9239

Epoch 272/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2565 - accuracy: 0.8989 - val\_loss: 0.1934 - val\_accuracy: 0.9237

Epoch 273/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2556 - accuracy: 0.8993 - val\_loss: 0.1927 - val\_accuracy: 0.9243

Epoch 274/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2550 - accuracy: 0.8995 - val\_loss: 0.1936 - val\_accuracy: 0.9245

Epoch 275/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2543 - accuracy: 0.8998 - val\_loss: 0.1931 - val\_accuracy: 0.9243

Epoch 276/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2546 - accuracy: 0.8995 - val\_loss: 0.1916 - val\_accuracy: 0.9244

Epoch 277/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2538 - accuracy: 0.8999 - val\_loss: 0.1909 - val\_accuracy: 0.9245

Epoch 278/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2546 - accuracy: 0.8998 - val\_loss: 0.1923 - val\_accuracy: 0.9241

Epoch 279/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2544 - accuracy: 0.8998 - val\_loss: 0.1915 - val\_accuracy: 0.9243

Epoch 280/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2551 - accuracy: 0.8995 - val\_loss: 0.1917 - val\_accuracy: 0.9245

Epoch 281/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2556 - accuracy: 0.8991 - val\_loss: 0.1929 - val\_accuracy: 0.9246

Epoch 282/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2543 - accuracy: 0.8998 - val\_loss: 0.1946 - val\_accuracy: 0.9235

Epoch 283/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2538 - accuracy: 0.8999 - val\_loss: 0.1924 - val\_accuracy: 0.9245

Epoch 284/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2537 - accuracy: 0.8999 - val\_loss: 0.1976 - val\_accuracy: 0.9237

Epoch 285/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2544 - accuracy: 0.8996 - val\_loss: 0.1926 - val\_accuracy: 0.9238

Epoch 286/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2535 - accuracy: 0.9002 - val\_loss: 0.1929 - val\_accuracy: 0.9240

Epoch 287/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2534 - accuracy: 0.9002 - val\_loss: 0.1914 - val\_accuracy: 0.9247

Epoch 288/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2534 - accuracy: 0.9001 - val\_loss: 0.1905 - val\_accuracy: 0.9249

Epoch 289/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2547 - accuracy: 0.8999 - val\_loss: 0.1917 - val\_accuracy: 0.9240

Epoch 290/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2541 - accuracy: 0.9001 - val\_loss: 0.1919 - val\_accuracy: 0.9246

Epoch 291/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2532 - accuracy: 0.9004 - val\_loss: 0.1917 - val\_accuracy: 0.9248

Epoch 292/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2533 - accuracy: 0.9002 - val\_loss: 0.1923 - val\_accuracy: 0.9247

Epoch 293/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2543 - accuracy: 0.8997 - val\_loss: 0.1924 - val\_accuracy: 0.9241

Epoch 294/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2533 - accuracy: 0.9003 - val\_loss: 0.1915 - val\_accuracy: 0.9244

Epoch 295/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2529 - accuracy: 0.9004 - val\_loss: 0.1900 - val\_accuracy: 0.9243

Epoch 296/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2536 - accuracy: 0.9002 - val\_loss: 0.1926 - val\_accuracy: 0.9249

Epoch 297/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2537 - accuracy: 0.9001 - val\_loss: 0.1915 - val\_accuracy: 0.9243

Epoch 298/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2528 - accuracy: 0.9003 - val\_loss: 0.1909 - val\_accuracy: 0.9246

Epoch 299/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2537 - accuracy: 0.9001 - val\_loss: 0.1942 - val\_accuracy: 0.9240

Epoch 300/1500

76/76 [==============================] - 10s 138ms/step - loss: 0.2536 - accuracy: 0.9001 - val\_loss: 0.1904 - val\_accuracy: 0.9246

Epoch 301/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2537 - accuracy: 0.9003 - val\_loss: 0.1914 - val\_accuracy: 0.9246

Epoch 302/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2532 - accuracy: 0.9002 - val\_loss: 0.1909 - val\_accuracy: 0.9244

Epoch 303/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2536 - accuracy: 0.9003 - val\_loss: 0.1918 - val\_accuracy: 0.9245

Epoch 304/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2550 - accuracy: 0.8998 - val\_loss: 0.1912 - val\_accuracy: 0.9251

Epoch 305/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2530 - accuracy: 0.9002 - val\_loss: 0.1907 - val\_accuracy: 0.9250

Epoch 306/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2530 - accuracy: 0.9004 - val\_loss: 0.1909 - val\_accuracy: 0.9250

Epoch 307/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2537 - accuracy: 0.9003 - val\_loss: 0.1900 - val\_accuracy: 0.9252

Epoch 308/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2530 - accuracy: 0.9003 - val\_loss: 0.1918 - val\_accuracy: 0.9237

Epoch 309/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2528 - accuracy: 0.9005 - val\_loss: 0.1915 - val\_accuracy: 0.9249

Epoch 310/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2524 - accuracy: 0.9006 - val\_loss: 0.1917 - val\_accuracy: 0.9247

Epoch 311/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2527 - accuracy: 0.9004 - val\_loss: 0.1903 - val\_accuracy: 0.9254

Epoch 312/1500

76/76 [==============================] - 11s 139ms/step - loss: 0.2517 - accuracy: 0.9009 - val\_loss: 0.1888 - val\_accuracy: 0.9256

Epoch 313/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2524 - accuracy: 0.9008 - val\_loss: 0.1918 - val\_accuracy: 0.9244

Epoch 314/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2516 - accuracy: 0.9008 - val\_loss: 0.1920 - val\_accuracy: 0.9248

Epoch 315/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2521 - accuracy: 0.9008 - val\_loss: 0.1891 - val\_accuracy: 0.9249

Epoch 316/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2519 - accuracy: 0.9007 - val\_loss: 0.1910 - val\_accuracy: 0.9247

Epoch 317/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2513 - accuracy: 0.9008 - val\_loss: 0.1893 - val\_accuracy: 0.9249

Epoch 318/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2526 - accuracy: 0.9001 - val\_loss: 0.1894 - val\_accuracy: 0.9257

Epoch 319/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2517 - accuracy: 0.9009 - val\_loss: 0.1891 - val\_accuracy: 0.9253

Epoch 320/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2517 - accuracy: 0.9009 - val\_loss: 0.1910 - val\_accuracy: 0.9247

Epoch 321/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2509 - accuracy: 0.9014 - val\_loss: 0.1899 - val\_accuracy: 0.9252

Epoch 322/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2509 - accuracy: 0.9014 - val\_loss: 0.1900 - val\_accuracy: 0.9251

Epoch 323/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2527 - accuracy: 0.9007 - val\_loss: 0.1902 - val\_accuracy: 0.9250

Epoch 324/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2517 - accuracy: 0.9011 - val\_loss: 0.1902 - val\_accuracy: 0.9251

Epoch 325/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2517 - accuracy: 0.9010 - val\_loss: 0.1903 - val\_accuracy: 0.9251

Epoch 326/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2518 - accuracy: 0.9009 - val\_loss: 0.1901 - val\_accuracy: 0.9249

Epoch 327/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2519 - accuracy: 0.9007 - val\_loss: 0.1901 - val\_accuracy: 0.9250

Epoch 328/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2510 - accuracy: 0.9009 - val\_loss: 0.1892 - val\_accuracy: 0.9254

Epoch 329/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2504 - accuracy: 0.9016 - val\_loss: 0.1883 - val\_accuracy: 0.9256

Epoch 330/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2507 - accuracy: 0.9013 - val\_loss: 0.1901 - val\_accuracy: 0.9252

Epoch 331/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2507 - accuracy: 0.9012 - val\_loss: 0.1900 - val\_accuracy: 0.9255

Epoch 332/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2528 - accuracy: 0.9007 - val\_loss: 0.1886 - val\_accuracy: 0.9253

Epoch 333/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2518 - accuracy: 0.9007 - val\_loss: 0.1889 - val\_accuracy: 0.9253

Epoch 334/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2511 - accuracy: 0.9011 - val\_loss: 0.1890 - val\_accuracy: 0.9253

Epoch 335/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2504 - accuracy: 0.9017 - val\_loss: 0.1899 - val\_accuracy: 0.9251

Epoch 336/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2503 - accuracy: 0.9016 - val\_loss: 0.1889 - val\_accuracy: 0.9254

Epoch 337/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2506 - accuracy: 0.9012 - val\_loss: 0.1911 - val\_accuracy: 0.9249

Epoch 338/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2506 - accuracy: 0.9013 - val\_loss: 0.1887 - val\_accuracy: 0.9255

Epoch 339/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2502 - accuracy: 0.9015 - val\_loss: 0.1895 - val\_accuracy: 0.9247

Epoch 340/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2505 - accuracy: 0.9014 - val\_loss: 0.1898 - val\_accuracy: 0.9250

Epoch 341/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2511 - accuracy: 0.9012 - val\_loss: 0.1888 - val\_accuracy: 0.9252

Epoch 342/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2506 - accuracy: 0.9014 - val\_loss: 0.1892 - val\_accuracy: 0.9251

Epoch 343/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2506 - accuracy: 0.9013 - val\_loss: 0.1897 - val\_accuracy: 0.9254

Epoch 344/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2503 - accuracy: 0.9012 - val\_loss: 0.1892 - val\_accuracy: 0.9249

Epoch 345/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2508 - accuracy: 0.9013 - val\_loss: 0.1883 - val\_accuracy: 0.9256

Epoch 346/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2502 - accuracy: 0.9017 - val\_loss: 0.1886 - val\_accuracy: 0.9255

Epoch 347/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2500 - accuracy: 0.9015 - val\_loss: 0.1886 - val\_accuracy: 0.9254

Epoch 348/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2496 - accuracy: 0.9015 - val\_loss: 0.1885 - val\_accuracy: 0.9255

Epoch 349/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2502 - accuracy: 0.9015 - val\_loss: 0.1884 - val\_accuracy: 0.9258

Epoch 350/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2491 - accuracy: 0.9020 - val\_loss: 0.1882 - val\_accuracy: 0.9254

Epoch 351/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2502 - accuracy: 0.9016 - val\_loss: 0.1887 - val\_accuracy: 0.9250

Epoch 352/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2499 - accuracy: 0.9018 - val\_loss: 0.1875 - val\_accuracy: 0.9262

Epoch 353/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2484 - accuracy: 0.9019 - val\_loss: 0.1879 - val\_accuracy: 0.9255

Epoch 354/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2502 - accuracy: 0.9018 - val\_loss: 0.1873 - val\_accuracy: 0.9259

Epoch 355/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2491 - accuracy: 0.9019 - val\_loss: 0.1886 - val\_accuracy: 0.9258

Epoch 356/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2496 - accuracy: 0.9016 - val\_loss: 0.1885 - val\_accuracy: 0.9252

Epoch 357/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2495 - accuracy: 0.9019 - val\_loss: 0.1882 - val\_accuracy: 0.9257

Epoch 358/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2491 - accuracy: 0.9018 - val\_loss: 0.1886 - val\_accuracy: 0.9253

Epoch 359/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2490 - accuracy: 0.9021 - val\_loss: 0.1883 - val\_accuracy: 0.9259

Epoch 360/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2491 - accuracy: 0.9022 - val\_loss: 0.1895 - val\_accuracy: 0.9247

Epoch 361/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2492 - accuracy: 0.9017 - val\_loss: 0.1890 - val\_accuracy: 0.9259

Epoch 362/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2499 - accuracy: 0.9016 - val\_loss: 0.1882 - val\_accuracy: 0.9260

Epoch 363/1500

76/76 [==============================] - 10s 138ms/step - loss: 0.2494 - accuracy: 0.9018 - val\_loss: 0.1882 - val\_accuracy: 0.9257

Epoch 364/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2493 - accuracy: 0.9019 - val\_loss: 0.1895 - val\_accuracy: 0.9247

Epoch 365/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2491 - accuracy: 0.9019 - val\_loss: 0.1877 - val\_accuracy: 0.9262

Epoch 366/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2492 - accuracy: 0.9023 - val\_loss: 0.1883 - val\_accuracy: 0.9255

Epoch 367/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2495 - accuracy: 0.9018 - val\_loss: 0.1882 - val\_accuracy: 0.9252

Epoch 368/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2490 - accuracy: 0.9022 - val\_loss: 0.1879 - val\_accuracy: 0.9255

Epoch 369/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2492 - accuracy: 0.9023 - val\_loss: 0.1875 - val\_accuracy: 0.9260

Epoch 370/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2486 - accuracy: 0.9024 - val\_loss: 0.1884 - val\_accuracy: 0.9258

Epoch 371/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2489 - accuracy: 0.9023 - val\_loss: 0.1861 - val\_accuracy: 0.9266

Epoch 372/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2485 - accuracy: 0.9023 - val\_loss: 0.1892 - val\_accuracy: 0.9257

Epoch 373/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2487 - accuracy: 0.9022 - val\_loss: 0.1865 - val\_accuracy: 0.9266

Epoch 374/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2483 - accuracy: 0.9024 - val\_loss: 0.1892 - val\_accuracy: 0.9254

Epoch 375/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2482 - accuracy: 0.9023 - val\_loss: 0.1898 - val\_accuracy: 0.9253

Epoch 376/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2485 - accuracy: 0.9020 - val\_loss: 0.1875 - val\_accuracy: 0.9258

Epoch 377/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2484 - accuracy: 0.9022 - val\_loss: 0.1874 - val\_accuracy: 0.9261

Epoch 378/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2483 - accuracy: 0.9023 - val\_loss: 0.1871 - val\_accuracy: 0.9258

Epoch 379/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2486 - accuracy: 0.9022 - val\_loss: 0.1882 - val\_accuracy: 0.9259

Epoch 380/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2482 - accuracy: 0.9022 - val\_loss: 0.1865 - val\_accuracy: 0.9261

Epoch 381/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2491 - accuracy: 0.9021 - val\_loss: 0.1868 - val\_accuracy: 0.9263

Epoch 382/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2492 - accuracy: 0.9023 - val\_loss: 0.1880 - val\_accuracy: 0.9258

Epoch 383/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2490 - accuracy: 0.9021 - val\_loss: 0.1873 - val\_accuracy: 0.9255

Epoch 384/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2486 - accuracy: 0.9020 - val\_loss: 0.1876 - val\_accuracy: 0.9253

Epoch 385/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2482 - accuracy: 0.9022 - val\_loss: 0.1866 - val\_accuracy: 0.9263

Epoch 386/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2477 - accuracy: 0.9023 - val\_loss: 0.1864 - val\_accuracy: 0.9260

Epoch 387/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2482 - accuracy: 0.9025 - val\_loss: 0.1873 - val\_accuracy: 0.9264

Epoch 388/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2486 - accuracy: 0.9023 - val\_loss: 0.1863 - val\_accuracy: 0.9262

Epoch 389/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2471 - accuracy: 0.9026 - val\_loss: 0.1878 - val\_accuracy: 0.9256

Epoch 390/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2480 - accuracy: 0.9029 - val\_loss: 0.1885 - val\_accuracy: 0.9260

Epoch 391/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2474 - accuracy: 0.9025 - val\_loss: 0.1870 - val\_accuracy: 0.9261

Epoch 392/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2481 - accuracy: 0.9025 - val\_loss: 0.1863 - val\_accuracy: 0.9268

Epoch 393/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2473 - accuracy: 0.9026 - val\_loss: 0.1869 - val\_accuracy: 0.9259

Epoch 394/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2478 - accuracy: 0.9026 - val\_loss: 0.1873 - val\_accuracy: 0.9266

Epoch 395/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2484 - accuracy: 0.9023 - val\_loss: 0.1867 - val\_accuracy: 0.9260

Epoch 396/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2474 - accuracy: 0.9029 - val\_loss: 0.1866 - val\_accuracy: 0.9263

Epoch 397/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2469 - accuracy: 0.9025 - val\_loss: 0.1875 - val\_accuracy: 0.9262

Epoch 398/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2482 - accuracy: 0.9022 - val\_loss: 0.1877 - val\_accuracy: 0.9259

Epoch 399/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2479 - accuracy: 0.9024 - val\_loss: 0.1875 - val\_accuracy: 0.9257

Epoch 400/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2476 - accuracy: 0.9026 - val\_loss: 0.1878 - val\_accuracy: 0.9260

Epoch 401/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2475 - accuracy: 0.9029 - val\_loss: 0.1870 - val\_accuracy: 0.9262

Epoch 402/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2474 - accuracy: 0.9026 - val\_loss: 0.1867 - val\_accuracy: 0.9261

Epoch 403/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2474 - accuracy: 0.9027 - val\_loss: 0.1878 - val\_accuracy: 0.9260

Epoch 404/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2472 - accuracy: 0.9028 - val\_loss: 0.1860 - val\_accuracy: 0.9263

Epoch 405/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2464 - accuracy: 0.9031 - val\_loss: 0.1863 - val\_accuracy: 0.9266

Epoch 406/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2474 - accuracy: 0.9025 - val\_loss: 0.1856 - val\_accuracy: 0.9267

Epoch 407/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2472 - accuracy: 0.9026 - val\_loss: 0.1871 - val\_accuracy: 0.9263

Epoch 408/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2468 - accuracy: 0.9028 - val\_loss: 0.1872 - val\_accuracy: 0.9259

Epoch 409/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2473 - accuracy: 0.9028 - val\_loss: 0.1868 - val\_accuracy: 0.9261

Epoch 410/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2471 - accuracy: 0.9029 - val\_loss: 0.1859 - val\_accuracy: 0.9262

Epoch 411/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2466 - accuracy: 0.9030 - val\_loss: 0.1879 - val\_accuracy: 0.9261

Epoch 412/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2471 - accuracy: 0.9028 - val\_loss: 0.1871 - val\_accuracy: 0.9266

Epoch 413/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2469 - accuracy: 0.9028 - val\_loss: 0.1871 - val\_accuracy: 0.9262

Epoch 414/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2466 - accuracy: 0.9030 - val\_loss: 0.1866 - val\_accuracy: 0.9261

Epoch 415/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2469 - accuracy: 0.9029 - val\_loss: 0.1864 - val\_accuracy: 0.9267

Epoch 416/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2463 - accuracy: 0.9033 - val\_loss: 0.1870 - val\_accuracy: 0.9260

Epoch 417/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2472 - accuracy: 0.9028 - val\_loss: 0.1853 - val\_accuracy: 0.9264

Epoch 418/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2467 - accuracy: 0.9030 - val\_loss: 0.1865 - val\_accuracy: 0.9261

Epoch 419/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2468 - accuracy: 0.9030 - val\_loss: 0.1855 - val\_accuracy: 0.9264

Epoch 420/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2462 - accuracy: 0.9032 - val\_loss: 0.1867 - val\_accuracy: 0.9260

Epoch 421/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2458 - accuracy: 0.9034 - val\_loss: 0.1895 - val\_accuracy: 0.9258

Epoch 422/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2459 - accuracy: 0.9033 - val\_loss: 0.1861 - val\_accuracy: 0.9266

Epoch 423/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2459 - accuracy: 0.9033 - val\_loss: 0.1858 - val\_accuracy: 0.9266

Epoch 424/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2476 - accuracy: 0.9028 - val\_loss: 0.1858 - val\_accuracy: 0.9265

Epoch 425/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2468 - accuracy: 0.9029 - val\_loss: 0.1860 - val\_accuracy: 0.9269

Epoch 426/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2465 - accuracy: 0.9033 - val\_loss: 0.1862 - val\_accuracy: 0.9261

Epoch 427/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2469 - accuracy: 0.9029 - val\_loss: 0.1858 - val\_accuracy: 0.9262

Epoch 428/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2460 - accuracy: 0.9035 - val\_loss: 0.1878 - val\_accuracy: 0.9258

Epoch 429/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2461 - accuracy: 0.9030 - val\_loss: 0.1859 - val\_accuracy: 0.9268

Epoch 430/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2454 - accuracy: 0.9034 - val\_loss: 0.1855 - val\_accuracy: 0.9264

Epoch 431/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2461 - accuracy: 0.9031 - val\_loss: 0.1849 - val\_accuracy: 0.9266

Epoch 432/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2462 - accuracy: 0.9031 - val\_loss: 0.1861 - val\_accuracy: 0.9268

Epoch 433/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2463 - accuracy: 0.9034 - val\_loss: 0.1862 - val\_accuracy: 0.9264

Epoch 434/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2477 - accuracy: 0.9026 - val\_loss: 0.1860 - val\_accuracy: 0.9266

Epoch 435/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2467 - accuracy: 0.9029 - val\_loss: 0.1856 - val\_accuracy: 0.9269

Epoch 436/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2467 - accuracy: 0.9030 - val\_loss: 0.1865 - val\_accuracy: 0.9259

Epoch 437/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2468 - accuracy: 0.9030 - val\_loss: 0.1853 - val\_accuracy: 0.9268

Epoch 438/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2463 - accuracy: 0.9030 - val\_loss: 0.1884 - val\_accuracy: 0.9265

Epoch 439/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2465 - accuracy: 0.9032 - val\_loss: 0.1867 - val\_accuracy: 0.9267

Epoch 440/1500

76/76 [==============================] - 10s 133ms/step - loss: 0.2466 - accuracy: 0.9033 - val\_loss: 0.1859 - val\_accuracy: 0.9268

Epoch 441/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2459 - accuracy: 0.9033 - val\_loss: 0.1855 - val\_accuracy: 0.9270

Epoch 442/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2457 - accuracy: 0.9037 - val\_loss: 0.1840 - val\_accuracy: 0.9274

Epoch 443/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2456 - accuracy: 0.9035 - val\_loss: 0.1849 - val\_accuracy: 0.9271

Epoch 444/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2465 - accuracy: 0.9032 - val\_loss: 0.1856 - val\_accuracy: 0.9263

Epoch 445/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2453 - accuracy: 0.9034 - val\_loss: 0.1843 - val\_accuracy: 0.9273

Epoch 446/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2454 - accuracy: 0.9035 - val\_loss: 0.1854 - val\_accuracy: 0.9266

Epoch 447/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2458 - accuracy: 0.9036 - val\_loss: 0.1853 - val\_accuracy: 0.9265

Epoch 448/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2462 - accuracy: 0.9032 - val\_loss: 0.1862 - val\_accuracy: 0.9266

Epoch 449/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2457 - accuracy: 0.9034 - val\_loss: 0.1853 - val\_accuracy: 0.9268

Epoch 450/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2456 - accuracy: 0.9036 - val\_loss: 0.1856 - val\_accuracy: 0.9261

Epoch 451/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2455 - accuracy: 0.9034 - val\_loss: 0.1867 - val\_accuracy: 0.9263

Epoch 452/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2456 - accuracy: 0.9034 - val\_loss: 0.1845 - val\_accuracy: 0.9273

Epoch 453/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2450 - accuracy: 0.9037 - val\_loss: 0.1845 - val\_accuracy: 0.9270

Epoch 454/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2442 - accuracy: 0.9039 - val\_loss: 0.1860 - val\_accuracy: 0.9264

Epoch 455/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2454 - accuracy: 0.9038 - val\_loss: 0.1872 - val\_accuracy: 0.9255

Epoch 456/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2450 - accuracy: 0.9038 - val\_loss: 0.1847 - val\_accuracy: 0.9271

Epoch 457/1500

76/76 [==============================] - 10s 138ms/step - loss: 0.2450 - accuracy: 0.9040 - val\_loss: 0.1857 - val\_accuracy: 0.9261

Epoch 458/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2450 - accuracy: 0.9038 - val\_loss: 0.1840 - val\_accuracy: 0.9276

Epoch 459/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2444 - accuracy: 0.9038 - val\_loss: 0.1855 - val\_accuracy: 0.9266

Epoch 460/1500

76/76 [==============================] - 10s 138ms/step - loss: 0.2459 - accuracy: 0.9032 - val\_loss: 0.1848 - val\_accuracy: 0.9271

Epoch 461/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2452 - accuracy: 0.9031 - val\_loss: 0.1869 - val\_accuracy: 0.9264

Epoch 462/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2448 - accuracy: 0.9039 - val\_loss: 0.1836 - val\_accuracy: 0.9271

Epoch 463/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2445 - accuracy: 0.9040 - val\_loss: 0.1856 - val\_accuracy: 0.9269

Epoch 464/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2439 - accuracy: 0.9042 - val\_loss: 0.1852 - val\_accuracy: 0.9266

Epoch 465/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2442 - accuracy: 0.9039 - val\_loss: 0.1846 - val\_accuracy: 0.9272

Epoch 466/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2457 - accuracy: 0.9037 - val\_loss: 0.1835 - val\_accuracy: 0.9276

Epoch 467/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2443 - accuracy: 0.9041 - val\_loss: 0.1835 - val\_accuracy: 0.9274

Epoch 468/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2442 - accuracy: 0.9041 - val\_loss: 0.1845 - val\_accuracy: 0.9270

Epoch 469/1500

76/76 [==============================] - 11s 138ms/step - loss: 0.2444 - accuracy: 0.9038 - val\_loss: 0.1842 - val\_accuracy: 0.9270

Epoch 470/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2455 - accuracy: 0.9033 - val\_loss: 0.1856 - val\_accuracy: 0.9266

Epoch 471/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2441 - accuracy: 0.9037 - val\_loss: 0.1840 - val\_accuracy: 0.9268

Epoch 472/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2448 - accuracy: 0.9039 - val\_loss: 0.1859 - val\_accuracy: 0.9267

Epoch 473/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2444 - accuracy: 0.9037 - val\_loss: 0.1856 - val\_accuracy: 0.9272

Epoch 474/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2443 - accuracy: 0.9042 - val\_loss: 0.1847 - val\_accuracy: 0.9271

Epoch 475/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2445 - accuracy: 0.9039 - val\_loss: 0.1845 - val\_accuracy: 0.9271

Epoch 476/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2439 - accuracy: 0.9039 - val\_loss: 0.1845 - val\_accuracy: 0.9270

Epoch 477/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2439 - accuracy: 0.9043 - val\_loss: 0.1849 - val\_accuracy: 0.9269

Epoch 478/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2447 - accuracy: 0.9039 - val\_loss: 0.1853 - val\_accuracy: 0.9273

Epoch 479/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2444 - accuracy: 0.9041 - val\_loss: 0.1842 - val\_accuracy: 0.9273

Epoch 480/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2443 - accuracy: 0.9042 - val\_loss: 0.1835 - val\_accuracy: 0.9274

Epoch 481/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2435 - accuracy: 0.9044 - val\_loss: 0.1858 - val\_accuracy: 0.9263

Epoch 482/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2443 - accuracy: 0.9042 - val\_loss: 0.1843 - val\_accuracy: 0.9271

Epoch 483/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2443 - accuracy: 0.9038 - val\_loss: 0.1847 - val\_accuracy: 0.9266

Epoch 484/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2443 - accuracy: 0.9038 - val\_loss: 0.1837 - val\_accuracy: 0.9275

Epoch 485/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2439 - accuracy: 0.9043 - val\_loss: 0.1850 - val\_accuracy: 0.9271

Epoch 486/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2441 - accuracy: 0.9041 - val\_loss: 0.1843 - val\_accuracy: 0.9271

Epoch 487/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2440 - accuracy: 0.9041 - val\_loss: 0.1842 - val\_accuracy: 0.9273

Epoch 488/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2434 - accuracy: 0.9046 - val\_loss: 0.1844 - val\_accuracy: 0.9274

Epoch 489/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2443 - accuracy: 0.9042 - val\_loss: 0.1824 - val\_accuracy: 0.9284

Epoch 490/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2431 - accuracy: 0.9044 - val\_loss: 0.1848 - val\_accuracy: 0.9269

Epoch 491/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2442 - accuracy: 0.9040 - val\_loss: 0.1847 - val\_accuracy: 0.9268

Epoch 492/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2435 - accuracy: 0.9042 - val\_loss: 0.1835 - val\_accuracy: 0.9273

Epoch 493/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2434 - accuracy: 0.9042 - val\_loss: 0.1837 - val\_accuracy: 0.9272

Epoch 494/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2446 - accuracy: 0.9041 - val\_loss: 0.1845 - val\_accuracy: 0.9265

Epoch 495/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2447 - accuracy: 0.9040 - val\_loss: 0.1858 - val\_accuracy: 0.9272

Epoch 496/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2441 - accuracy: 0.9044 - val\_loss: 0.1844 - val\_accuracy: 0.9265

Epoch 497/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2441 - accuracy: 0.9042 - val\_loss: 0.1848 - val\_accuracy: 0.9263

Epoch 498/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2439 - accuracy: 0.9043 - val\_loss: 0.1838 - val\_accuracy: 0.9272

Epoch 499/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2437 - accuracy: 0.9041 - val\_loss: 0.1850 - val\_accuracy: 0.9267

Epoch 500/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2443 - accuracy: 0.9041 - val\_loss: 0.1839 - val\_accuracy: 0.9270

Epoch 501/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2436 - accuracy: 0.9041 - val\_loss: 0.1845 - val\_accuracy: 0.9271

Epoch 502/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2435 - accuracy: 0.9043 - val\_loss: 0.1856 - val\_accuracy: 0.9270

Epoch 503/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2434 - accuracy: 0.9043 - val\_loss: 0.1831 - val\_accuracy: 0.9276

Epoch 504/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2430 - accuracy: 0.9046 - val\_loss: 0.1834 - val\_accuracy: 0.9276

Epoch 505/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2432 - accuracy: 0.9046 - val\_loss: 0.1833 - val\_accuracy: 0.9275

Epoch 506/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2434 - accuracy: 0.9044 - val\_loss: 0.1835 - val\_accuracy: 0.9280

Epoch 507/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2439 - accuracy: 0.9043 - val\_loss: 0.1836 - val\_accuracy: 0.9274

Epoch 508/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2433 - accuracy: 0.9043 - val\_loss: 0.1842 - val\_accuracy: 0.9271

Epoch 509/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2435 - accuracy: 0.9043 - val\_loss: 0.1834 - val\_accuracy: 0.9271

Epoch 510/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2444 - accuracy: 0.9041 - val\_loss: 0.1842 - val\_accuracy: 0.9274

Epoch 511/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2434 - accuracy: 0.9044 - val\_loss: 0.1835 - val\_accuracy: 0.9269

Epoch 512/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2434 - accuracy: 0.9043 - val\_loss: 0.1834 - val\_accuracy: 0.9275

Epoch 513/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2435 - accuracy: 0.9044 - val\_loss: 0.1843 - val\_accuracy: 0.9272

Epoch 514/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2436 - accuracy: 0.9043 - val\_loss: 0.1841 - val\_accuracy: 0.9279

Epoch 515/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2432 - accuracy: 0.9046 - val\_loss: 0.1826 - val\_accuracy: 0.9278

Epoch 516/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2437 - accuracy: 0.9044 - val\_loss: 0.1857 - val\_accuracy: 0.9269

Epoch 517/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2431 - accuracy: 0.9046 - val\_loss: 0.1849 - val\_accuracy: 0.9271

Epoch 518/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2426 - accuracy: 0.9048 - val\_loss: 0.1829 - val\_accuracy: 0.9270

Epoch 519/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2432 - accuracy: 0.9044 - val\_loss: 0.1841 - val\_accuracy: 0.9268

Epoch 520/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2437 - accuracy: 0.9041 - val\_loss: 0.1836 - val\_accuracy: 0.9273

Epoch 521/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2427 - accuracy: 0.9046 - val\_loss: 0.1832 - val\_accuracy: 0.9274

Epoch 522/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2437 - accuracy: 0.9045 - val\_loss: 0.1833 - val\_accuracy: 0.9277

Epoch 523/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2426 - accuracy: 0.9049 - val\_loss: 0.1825 - val\_accuracy: 0.9279

Epoch 524/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2427 - accuracy: 0.9049 - val\_loss: 0.1821 - val\_accuracy: 0.9280

Epoch 525/1500

76/76 [==============================] - 11s 139ms/step - loss: 0.2429 - accuracy: 0.9046 - val\_loss: 0.1826 - val\_accuracy: 0.9276

Epoch 526/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2425 - accuracy: 0.9048 - val\_loss: 0.1837 - val\_accuracy: 0.9276

Epoch 527/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2430 - accuracy: 0.9046 - val\_loss: 0.1843 - val\_accuracy: 0.9274

Epoch 528/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2429 - accuracy: 0.9048 - val\_loss: 0.1840 - val\_accuracy: 0.9270

Epoch 529/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2433 - accuracy: 0.9045 - val\_loss: 0.1846 - val\_accuracy: 0.9270

Epoch 530/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2423 - accuracy: 0.9048 - val\_loss: 0.1815 - val\_accuracy: 0.9278

Epoch 531/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2431 - accuracy: 0.9046 - val\_loss: 0.1840 - val\_accuracy: 0.9271

Epoch 532/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2432 - accuracy: 0.9047 - val\_loss: 0.1836 - val\_accuracy: 0.9271

Epoch 533/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2437 - accuracy: 0.9044 - val\_loss: 0.1847 - val\_accuracy: 0.9274

Epoch 534/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2431 - accuracy: 0.9044 - val\_loss: 0.1822 - val\_accuracy: 0.9279

Epoch 535/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2419 - accuracy: 0.9048 - val\_loss: 0.1834 - val\_accuracy: 0.9275

Epoch 536/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2424 - accuracy: 0.9046 - val\_loss: 0.1839 - val\_accuracy: 0.9274

Epoch 537/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2434 - accuracy: 0.9045 - val\_loss: 0.1834 - val\_accuracy: 0.9273

Epoch 538/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2437 - accuracy: 0.9044 - val\_loss: 0.1827 - val\_accuracy: 0.9277

Epoch 539/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2419 - accuracy: 0.9049 - val\_loss: 0.1825 - val\_accuracy: 0.9275

Epoch 540/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2433 - accuracy: 0.9045 - val\_loss: 0.1816 - val\_accuracy: 0.9279

Epoch 541/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2419 - accuracy: 0.9052 - val\_loss: 0.1828 - val\_accuracy: 0.9274

Epoch 542/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2430 - accuracy: 0.9044 - val\_loss: 0.1831 - val\_accuracy: 0.9270

Epoch 543/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2424 - accuracy: 0.9049 - val\_loss: 0.1827 - val\_accuracy: 0.9275

Epoch 544/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2423 - accuracy: 0.9048 - val\_loss: 0.1847 - val\_accuracy: 0.9272

Epoch 545/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2418 - accuracy: 0.9049 - val\_loss: 0.1820 - val\_accuracy: 0.9277

Epoch 546/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2427 - accuracy: 0.9050 - val\_loss: 0.1840 - val\_accuracy: 0.9270

Epoch 547/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2425 - accuracy: 0.9048 - val\_loss: 0.1827 - val\_accuracy: 0.9278

Epoch 548/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2421 - accuracy: 0.9050 - val\_loss: 0.1838 - val\_accuracy: 0.9276

Epoch 549/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2427 - accuracy: 0.9049 - val\_loss: 0.1826 - val\_accuracy: 0.9271

Epoch 550/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2424 - accuracy: 0.9051 - val\_loss: 0.1834 - val\_accuracy: 0.9268

Epoch 551/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2434 - accuracy: 0.9044 - val\_loss: 0.1830 - val\_accuracy: 0.9276

Epoch 552/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2431 - accuracy: 0.9047 - val\_loss: 0.1849 - val\_accuracy: 0.9270

Epoch 553/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2423 - accuracy: 0.9046 - val\_loss: 0.1820 - val\_accuracy: 0.9279

Epoch 554/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2419 - accuracy: 0.9050 - val\_loss: 0.1821 - val\_accuracy: 0.9277

Epoch 555/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2422 - accuracy: 0.9047 - val\_loss: 0.1823 - val\_accuracy: 0.9277

Epoch 556/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2423 - accuracy: 0.9047 - val\_loss: 0.1833 - val\_accuracy: 0.9275

Epoch 557/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2421 - accuracy: 0.9051 - val\_loss: 0.1831 - val\_accuracy: 0.9274

Epoch 558/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2424 - accuracy: 0.9051 - val\_loss: 0.1845 - val\_accuracy: 0.9274

Epoch 559/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2409 - accuracy: 0.9055 - val\_loss: 0.1834 - val\_accuracy: 0.9270

Epoch 560/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2419 - accuracy: 0.9050 - val\_loss: 0.1828 - val\_accuracy: 0.9277

Epoch 561/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2416 - accuracy: 0.9051 - val\_loss: 0.1825 - val\_accuracy: 0.9280

Epoch 562/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2424 - accuracy: 0.9050 - val\_loss: 0.1814 - val\_accuracy: 0.9283

Epoch 563/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2432 - accuracy: 0.9046 - val\_loss: 0.1845 - val\_accuracy: 0.9269

Epoch 564/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2422 - accuracy: 0.9044 - val\_loss: 0.1840 - val\_accuracy: 0.9273

Epoch 565/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2427 - accuracy: 0.9047 - val\_loss: 0.1833 - val\_accuracy: 0.9276

Epoch 566/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2417 - accuracy: 0.9051 - val\_loss: 0.1822 - val\_accuracy: 0.9276

Epoch 567/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2423 - accuracy: 0.9052 - val\_loss: 0.1847 - val\_accuracy: 0.9274

Epoch 568/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2415 - accuracy: 0.9051 - val\_loss: 0.1839 - val\_accuracy: 0.9270

Epoch 569/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2421 - accuracy: 0.9050 - val\_loss: 0.1828 - val\_accuracy: 0.9275

Epoch 570/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2413 - accuracy: 0.9055 - val\_loss: 0.1818 - val\_accuracy: 0.9278

Epoch 571/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2412 - accuracy: 0.9054 - val\_loss: 0.1822 - val\_accuracy: 0.9278

Epoch 572/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2416 - accuracy: 0.9053 - val\_loss: 0.1829 - val\_accuracy: 0.9279

Epoch 573/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2412 - accuracy: 0.9054 - val\_loss: 0.1821 - val\_accuracy: 0.9279

Epoch 574/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2411 - accuracy: 0.9055 - val\_loss: 0.1832 - val\_accuracy: 0.9276

Epoch 575/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2422 - accuracy: 0.9049 - val\_loss: 0.1835 - val\_accuracy: 0.9278

Epoch 576/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2416 - accuracy: 0.9051 - val\_loss: 0.1825 - val\_accuracy: 0.9273

Epoch 577/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2415 - accuracy: 0.9051 - val\_loss: 0.1844 - val\_accuracy: 0.9271

Epoch 578/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2415 - accuracy: 0.9053 - val\_loss: 0.1818 - val\_accuracy: 0.9276

Epoch 579/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2424 - accuracy: 0.9049 - val\_loss: 0.1826 - val\_accuracy: 0.9279

Epoch 580/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2407 - accuracy: 0.9055 - val\_loss: 0.1836 - val\_accuracy: 0.9274

Epoch 581/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2412 - accuracy: 0.9054 - val\_loss: 0.1821 - val\_accuracy: 0.9278

Epoch 582/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2414 - accuracy: 0.9054 - val\_loss: 0.1822 - val\_accuracy: 0.9279

Epoch 583/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2412 - accuracy: 0.9052 - val\_loss: 0.1820 - val\_accuracy: 0.9273

Epoch 584/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2421 - accuracy: 0.9051 - val\_loss: 0.1819 - val\_accuracy: 0.9276

Epoch 585/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2410 - accuracy: 0.9054 - val\_loss: 0.1821 - val\_accuracy: 0.9281

Epoch 586/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2403 - accuracy: 0.9057 - val\_loss: 0.1830 - val\_accuracy: 0.9280

Epoch 587/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2417 - accuracy: 0.9052 - val\_loss: 0.1827 - val\_accuracy: 0.9277

Epoch 588/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2408 - accuracy: 0.9056 - val\_loss: 0.1831 - val\_accuracy: 0.9278

Epoch 589/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2407 - accuracy: 0.9056 - val\_loss: 0.1825 - val\_accuracy: 0.9277

Epoch 590/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2408 - accuracy: 0.9055 - val\_loss: 0.1814 - val\_accuracy: 0.9282

Epoch 591/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2412 - accuracy: 0.9053 - val\_loss: 0.1815 - val\_accuracy: 0.9281

Epoch 592/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2416 - accuracy: 0.9052 - val\_loss: 0.1820 - val\_accuracy: 0.9283

Epoch 593/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2415 - accuracy: 0.9051 - val\_loss: 0.1830 - val\_accuracy: 0.9279

Epoch 594/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2411 - accuracy: 0.9054 - val\_loss: 0.1828 - val\_accuracy: 0.9278

Epoch 595/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2411 - accuracy: 0.9051 - val\_loss: 0.1846 - val\_accuracy: 0.9270

Epoch 596/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2409 - accuracy: 0.9056 - val\_loss: 0.1817 - val\_accuracy: 0.9280

Epoch 597/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2412 - accuracy: 0.9055 - val\_loss: 0.1815 - val\_accuracy: 0.9284

Epoch 598/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2406 - accuracy: 0.9057 - val\_loss: 0.1805 - val\_accuracy: 0.9286

Epoch 599/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2412 - accuracy: 0.9055 - val\_loss: 0.1840 - val\_accuracy: 0.9269

Epoch 600/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2410 - accuracy: 0.9054 - val\_loss: 0.1820 - val\_accuracy: 0.9274

Epoch 601/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2405 - accuracy: 0.9056 - val\_loss: 0.1815 - val\_accuracy: 0.9283

Epoch 602/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2400 - accuracy: 0.9056 - val\_loss: 0.1823 - val\_accuracy: 0.9275

Epoch 603/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2408 - accuracy: 0.9055 - val\_loss: 0.1813 - val\_accuracy: 0.9282

Epoch 604/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2405 - accuracy: 0.9055 - val\_loss: 0.1812 - val\_accuracy: 0.9282

Epoch 605/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2398 - accuracy: 0.9058 - val\_loss: 0.1812 - val\_accuracy: 0.9287

Epoch 606/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2421 - accuracy: 0.9051 - val\_loss: 0.1812 - val\_accuracy: 0.9282

Epoch 607/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2408 - accuracy: 0.9054 - val\_loss: 0.1844 - val\_accuracy: 0.9280

Epoch 608/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2419 - accuracy: 0.9054 - val\_loss: 0.1825 - val\_accuracy: 0.9276

Epoch 609/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2417 - accuracy: 0.9051 - val\_loss: 0.1820 - val\_accuracy: 0.9275

Epoch 610/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2405 - accuracy: 0.9058 - val\_loss: 0.1836 - val\_accuracy: 0.9281

Epoch 611/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2412 - accuracy: 0.9051 - val\_loss: 0.1825 - val\_accuracy: 0.9281

Epoch 612/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2408 - accuracy: 0.9055 - val\_loss: 0.1812 - val\_accuracy: 0.9285

Epoch 613/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2407 - accuracy: 0.9055 - val\_loss: 0.1823 - val\_accuracy: 0.9279

Epoch 614/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2405 - accuracy: 0.9057 - val\_loss: 0.1811 - val\_accuracy: 0.9282

Epoch 615/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2398 - accuracy: 0.9058 - val\_loss: 0.1814 - val\_accuracy: 0.9281

Epoch 616/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2399 - accuracy: 0.9057 - val\_loss: 0.1827 - val\_accuracy: 0.9273

Epoch 617/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2402 - accuracy: 0.9057 - val\_loss: 0.1820 - val\_accuracy: 0.9280

Epoch 618/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2413 - accuracy: 0.9056 - val\_loss: 0.1824 - val\_accuracy: 0.9280

Epoch 619/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2413 - accuracy: 0.9055 - val\_loss: 0.1819 - val\_accuracy: 0.9278

Epoch 620/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2399 - accuracy: 0.9060 - val\_loss: 0.1813 - val\_accuracy: 0.9277

Epoch 621/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2400 - accuracy: 0.9058 - val\_loss: 0.1804 - val\_accuracy: 0.9282

Epoch 622/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2400 - accuracy: 0.9058 - val\_loss: 0.1814 - val\_accuracy: 0.9280

Epoch 623/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2400 - accuracy: 0.9059 - val\_loss: 0.1813 - val\_accuracy: 0.9283

Epoch 624/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2404 - accuracy: 0.9057 - val\_loss: 0.1807 - val\_accuracy: 0.9283

Epoch 625/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2405 - accuracy: 0.9055 - val\_loss: 0.1824 - val\_accuracy: 0.9281

Epoch 626/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2397 - accuracy: 0.9057 - val\_loss: 0.1807 - val\_accuracy: 0.9278

Epoch 627/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2404 - accuracy: 0.9057 - val\_loss: 0.1823 - val\_accuracy: 0.9282

Epoch 628/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2405 - accuracy: 0.9055 - val\_loss: 0.1834 - val\_accuracy: 0.9282

Epoch 629/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2410 - accuracy: 0.9055 - val\_loss: 0.1815 - val\_accuracy: 0.9281

Epoch 630/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2400 - accuracy: 0.9059 - val\_loss: 0.1820 - val\_accuracy: 0.9281

Epoch 631/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2402 - accuracy: 0.9059 - val\_loss: 0.1817 - val\_accuracy: 0.9282

Epoch 632/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2404 - accuracy: 0.9055 - val\_loss: 0.1812 - val\_accuracy: 0.9280

Epoch 633/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2405 - accuracy: 0.9060 - val\_loss: 0.1816 - val\_accuracy: 0.9282

Epoch 634/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2406 - accuracy: 0.9057 - val\_loss: 0.1807 - val\_accuracy: 0.9283

Epoch 635/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2398 - accuracy: 0.9060 - val\_loss: 0.1814 - val\_accuracy: 0.9283

Epoch 636/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2399 - accuracy: 0.9061 - val\_loss: 0.1811 - val\_accuracy: 0.9278

Epoch 637/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2395 - accuracy: 0.9058 - val\_loss: 0.1814 - val\_accuracy: 0.9285

Epoch 638/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2394 - accuracy: 0.9062 - val\_loss: 0.1808 - val\_accuracy: 0.9283

Epoch 639/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2395 - accuracy: 0.9062 - val\_loss: 0.1808 - val\_accuracy: 0.9285

Epoch 640/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2395 - accuracy: 0.9062 - val\_loss: 0.1809 - val\_accuracy: 0.9284

Epoch 641/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2404 - accuracy: 0.9059 - val\_loss: 0.1817 - val\_accuracy: 0.9281

Epoch 642/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2401 - accuracy: 0.9057 - val\_loss: 0.1824 - val\_accuracy: 0.9280

Epoch 643/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2397 - accuracy: 0.9060 - val\_loss: 0.1802 - val\_accuracy: 0.9287

Epoch 644/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2404 - accuracy: 0.9057 - val\_loss: 0.1812 - val\_accuracy: 0.9283

Epoch 645/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2398 - accuracy: 0.9059 - val\_loss: 0.1802 - val\_accuracy: 0.9286

Epoch 646/1500

76/76 [==============================] - 10s 138ms/step - loss: 0.2392 - accuracy: 0.9063 - val\_loss: 0.1805 - val\_accuracy: 0.9284

Epoch 647/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2391 - accuracy: 0.9060 - val\_loss: 0.1809 - val\_accuracy: 0.9283

Epoch 648/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2403 - accuracy: 0.9055 - val\_loss: 0.1822 - val\_accuracy: 0.9277

Epoch 649/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2401 - accuracy: 0.9059 - val\_loss: 0.1836 - val\_accuracy: 0.9269

Epoch 650/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2402 - accuracy: 0.9058 - val\_loss: 0.1819 - val\_accuracy: 0.9280

Epoch 651/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2397 - accuracy: 0.9060 - val\_loss: 0.1811 - val\_accuracy: 0.9282

Epoch 652/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2404 - accuracy: 0.9059 - val\_loss: 0.1821 - val\_accuracy: 0.9281

Epoch 653/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2394 - accuracy: 0.9062 - val\_loss: 0.1808 - val\_accuracy: 0.9283

Epoch 654/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2396 - accuracy: 0.9060 - val\_loss: 0.1813 - val\_accuracy: 0.9282

Epoch 655/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2394 - accuracy: 0.9061 - val\_loss: 0.1816 - val\_accuracy: 0.9275

Epoch 656/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2400 - accuracy: 0.9060 - val\_loss: 0.1806 - val\_accuracy: 0.9281

Epoch 657/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2390 - accuracy: 0.9060 - val\_loss: 0.1806 - val\_accuracy: 0.9287

Epoch 658/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2398 - accuracy: 0.9058 - val\_loss: 0.1813 - val\_accuracy: 0.9279

Epoch 659/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2392 - accuracy: 0.9061 - val\_loss: 0.1808 - val\_accuracy: 0.9284

Epoch 660/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2408 - accuracy: 0.9057 - val\_loss: 0.1829 - val\_accuracy: 0.9276

Epoch 661/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2412 - accuracy: 0.9054 - val\_loss: 0.1812 - val\_accuracy: 0.9279

Epoch 662/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2415 - accuracy: 0.9052 - val\_loss: 0.1812 - val\_accuracy: 0.9281

Epoch 663/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2400 - accuracy: 0.9055 - val\_loss: 0.1815 - val\_accuracy: 0.9275

Epoch 664/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2399 - accuracy: 0.9058 - val\_loss: 0.1811 - val\_accuracy: 0.9281

Epoch 665/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2391 - accuracy: 0.9060 - val\_loss: 0.1812 - val\_accuracy: 0.9278

Epoch 666/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2392 - accuracy: 0.9063 - val\_loss: 0.1821 - val\_accuracy: 0.9283

Epoch 667/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2400 - accuracy: 0.9061 - val\_loss: 0.1808 - val\_accuracy: 0.9282

Epoch 668/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2396 - accuracy: 0.9060 - val\_loss: 0.1812 - val\_accuracy: 0.9284

Epoch 669/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2393 - accuracy: 0.9061 - val\_loss: 0.1813 - val\_accuracy: 0.9282

Epoch 670/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2384 - accuracy: 0.9063 - val\_loss: 0.1803 - val\_accuracy: 0.9289

Epoch 671/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2399 - accuracy: 0.9059 - val\_loss: 0.1805 - val\_accuracy: 0.9284

Epoch 672/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2390 - accuracy: 0.9064 - val\_loss: 0.1800 - val\_accuracy: 0.9282

Epoch 673/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2393 - accuracy: 0.9062 - val\_loss: 0.1807 - val\_accuracy: 0.9286

Epoch 674/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2406 - accuracy: 0.9057 - val\_loss: 0.1803 - val\_accuracy: 0.9288

Epoch 675/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2396 - accuracy: 0.9059 - val\_loss: 0.1810 - val\_accuracy: 0.9285

Epoch 676/1500

76/76 [==============================] - 11s 139ms/step - loss: 0.2391 - accuracy: 0.9064 - val\_loss: 0.1795 - val\_accuracy: 0.9290

Epoch 677/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2393 - accuracy: 0.9060 - val\_loss: 0.1809 - val\_accuracy: 0.9284

Epoch 678/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2385 - accuracy: 0.9064 - val\_loss: 0.1810 - val\_accuracy: 0.9285

Epoch 679/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2395 - accuracy: 0.9062 - val\_loss: 0.1813 - val\_accuracy: 0.9287

Epoch 680/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2391 - accuracy: 0.9060 - val\_loss: 0.1807 - val\_accuracy: 0.9283

Epoch 681/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2384 - accuracy: 0.9065 - val\_loss: 0.1811 - val\_accuracy: 0.9283

Epoch 682/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2386 - accuracy: 0.9062 - val\_loss: 0.1806 - val\_accuracy: 0.9282

Epoch 683/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2393 - accuracy: 0.9062 - val\_loss: 0.1801 - val\_accuracy: 0.9286

Epoch 684/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2395 - accuracy: 0.9059 - val\_loss: 0.1803 - val\_accuracy: 0.9281

Epoch 685/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2395 - accuracy: 0.9061 - val\_loss: 0.1809 - val\_accuracy: 0.9285

Epoch 686/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2384 - accuracy: 0.9064 - val\_loss: 0.1813 - val\_accuracy: 0.9281

Epoch 687/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2392 - accuracy: 0.9064 - val\_loss: 0.1814 - val\_accuracy: 0.9282

Epoch 688/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2385 - accuracy: 0.9064 - val\_loss: 0.1810 - val\_accuracy: 0.9278

Epoch 689/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2389 - accuracy: 0.9066 - val\_loss: 0.1805 - val\_accuracy: 0.9288

Epoch 690/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2390 - accuracy: 0.9063 - val\_loss: 0.1808 - val\_accuracy: 0.9287

Epoch 691/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2382 - accuracy: 0.9068 - val\_loss: 0.1807 - val\_accuracy: 0.9287

Epoch 692/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2391 - accuracy: 0.9062 - val\_loss: 0.1816 - val\_accuracy: 0.9284

Epoch 693/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2391 - accuracy: 0.9064 - val\_loss: 0.1803 - val\_accuracy: 0.9285

Epoch 694/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2396 - accuracy: 0.9061 - val\_loss: 0.1807 - val\_accuracy: 0.9282

Epoch 695/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2395 - accuracy: 0.9062 - val\_loss: 0.1804 - val\_accuracy: 0.9285

Epoch 696/1500

76/76 [==============================] - 10s 138ms/step - loss: 0.2399 - accuracy: 0.9060 - val\_loss: 0.1799 - val\_accuracy: 0.9287

Epoch 697/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2386 - accuracy: 0.9067 - val\_loss: 0.1808 - val\_accuracy: 0.9290

Epoch 698/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2395 - accuracy: 0.9060 - val\_loss: 0.1802 - val\_accuracy: 0.9285

Epoch 699/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2380 - accuracy: 0.9066 - val\_loss: 0.1795 - val\_accuracy: 0.9292

Epoch 700/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2392 - accuracy: 0.9063 - val\_loss: 0.1809 - val\_accuracy: 0.9280

Epoch 701/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2394 - accuracy: 0.9060 - val\_loss: 0.1844 - val\_accuracy: 0.9277

Epoch 702/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2421 - accuracy: 0.9054 - val\_loss: 0.1810 - val\_accuracy: 0.9282

Epoch 703/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2410 - accuracy: 0.9057 - val\_loss: 0.1803 - val\_accuracy: 0.9288

Epoch 704/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2392 - accuracy: 0.9064 - val\_loss: 0.1826 - val\_accuracy: 0.9277

Epoch 705/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2396 - accuracy: 0.9061 - val\_loss: 0.1809 - val\_accuracy: 0.9281

Epoch 706/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2392 - accuracy: 0.9059 - val\_loss: 0.1810 - val\_accuracy: 0.9284

Epoch 707/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2389 - accuracy: 0.9065 - val\_loss: 0.1800 - val\_accuracy: 0.9285

Epoch 708/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2382 - accuracy: 0.9065 - val\_loss: 0.1815 - val\_accuracy: 0.9283

Epoch 709/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2380 - accuracy: 0.9068 - val\_loss: 0.1817 - val\_accuracy: 0.9284

Epoch 710/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2377 - accuracy: 0.9068 - val\_loss: 0.1814 - val\_accuracy: 0.9282

Epoch 711/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2388 - accuracy: 0.9062 - val\_loss: 0.1788 - val\_accuracy: 0.9290

Epoch 712/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2395 - accuracy: 0.9064 - val\_loss: 0.1805 - val\_accuracy: 0.9286

Epoch 713/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2382 - accuracy: 0.9067 - val\_loss: 0.1803 - val\_accuracy: 0.9287

Epoch 714/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2390 - accuracy: 0.9064 - val\_loss: 0.1804 - val\_accuracy: 0.9286

Epoch 715/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2381 - accuracy: 0.9067 - val\_loss: 0.1796 - val\_accuracy: 0.9294

Epoch 716/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2384 - accuracy: 0.9066 - val\_loss: 0.1800 - val\_accuracy: 0.9286

Epoch 717/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2384 - accuracy: 0.9067 - val\_loss: 0.1816 - val\_accuracy: 0.9275

Epoch 718/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2384 - accuracy: 0.9066 - val\_loss: 0.1805 - val\_accuracy: 0.9282

Epoch 719/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2378 - accuracy: 0.9068 - val\_loss: 0.1805 - val\_accuracy: 0.9287

Epoch 720/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2377 - accuracy: 0.9070 - val\_loss: 0.1792 - val\_accuracy: 0.9290

Epoch 721/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2377 - accuracy: 0.9068 - val\_loss: 0.1802 - val\_accuracy: 0.9286

Epoch 722/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2385 - accuracy: 0.9060 - val\_loss: 0.1809 - val\_accuracy: 0.9286

Epoch 723/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2374 - accuracy: 0.9069 - val\_loss: 0.1808 - val\_accuracy: 0.9288

Epoch 724/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2376 - accuracy: 0.9068 - val\_loss: 0.1794 - val\_accuracy: 0.9289

Epoch 725/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2386 - accuracy: 0.9066 - val\_loss: 0.1809 - val\_accuracy: 0.9284

Epoch 726/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2381 - accuracy: 0.9068 - val\_loss: 0.1798 - val\_accuracy: 0.9283

Epoch 727/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2387 - accuracy: 0.9066 - val\_loss: 0.1803 - val\_accuracy: 0.9286

Epoch 728/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2378 - accuracy: 0.9068 - val\_loss: 0.1798 - val\_accuracy: 0.9288

Epoch 729/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2386 - accuracy: 0.9067 - val\_loss: 0.1797 - val\_accuracy: 0.9288

Epoch 730/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2385 - accuracy: 0.9066 - val\_loss: 0.1792 - val\_accuracy: 0.9290

Epoch 731/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2376 - accuracy: 0.9066 - val\_loss: 0.1788 - val\_accuracy: 0.9289

Epoch 732/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2383 - accuracy: 0.9068 - val\_loss: 0.1812 - val\_accuracy: 0.9286

Epoch 733/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2389 - accuracy: 0.9064 - val\_loss: 0.1801 - val\_accuracy: 0.9285

Epoch 734/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2389 - accuracy: 0.9064 - val\_loss: 0.1793 - val\_accuracy: 0.9291

Epoch 735/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2386 - accuracy: 0.9065 - val\_loss: 0.1804 - val\_accuracy: 0.9283

Epoch 736/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2388 - accuracy: 0.9065 - val\_loss: 0.1794 - val\_accuracy: 0.9289

Epoch 737/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2378 - accuracy: 0.9069 - val\_loss: 0.1799 - val\_accuracy: 0.9287

Epoch 738/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2379 - accuracy: 0.9066 - val\_loss: 0.1802 - val\_accuracy: 0.9286

Epoch 739/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2385 - accuracy: 0.9065 - val\_loss: 0.1798 - val\_accuracy: 0.9284

Epoch 740/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2385 - accuracy: 0.9065 - val\_loss: 0.1796 - val\_accuracy: 0.9285

Epoch 741/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2378 - accuracy: 0.9067 - val\_loss: 0.1795 - val\_accuracy: 0.9290

Epoch 742/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2371 - accuracy: 0.9069 - val\_loss: 0.1800 - val\_accuracy: 0.9286

Epoch 743/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2369 - accuracy: 0.9070 - val\_loss: 0.1795 - val\_accuracy: 0.9288

Epoch 744/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2375 - accuracy: 0.9070 - val\_loss: 0.1801 - val\_accuracy: 0.9288

Epoch 745/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2379 - accuracy: 0.9067 - val\_loss: 0.1799 - val\_accuracy: 0.9289

Epoch 746/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2367 - accuracy: 0.9072 - val\_loss: 0.1798 - val\_accuracy: 0.9287

Epoch 747/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2377 - accuracy: 0.9067 - val\_loss: 0.1796 - val\_accuracy: 0.9284

Epoch 748/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2376 - accuracy: 0.9068 - val\_loss: 0.1797 - val\_accuracy: 0.9290

Epoch 749/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2379 - accuracy: 0.9068 - val\_loss: 0.1793 - val\_accuracy: 0.9289

Epoch 750/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2372 - accuracy: 0.9070 - val\_loss: 0.1799 - val\_accuracy: 0.9287

Epoch 751/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2376 - accuracy: 0.9068 - val\_loss: 0.1795 - val\_accuracy: 0.9286

Epoch 752/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2375 - accuracy: 0.9069 - val\_loss: 0.1795 - val\_accuracy: 0.9288

Epoch 753/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2375 - accuracy: 0.9068 - val\_loss: 0.1787 - val\_accuracy: 0.9293

Epoch 754/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2378 - accuracy: 0.9068 - val\_loss: 0.1793 - val\_accuracy: 0.9291

Epoch 755/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2371 - accuracy: 0.9071 - val\_loss: 0.1796 - val\_accuracy: 0.9287

Epoch 756/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2377 - accuracy: 0.9069 - val\_loss: 0.1813 - val\_accuracy: 0.9287

Epoch 757/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2375 - accuracy: 0.9070 - val\_loss: 0.1790 - val\_accuracy: 0.9288

Epoch 758/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2377 - accuracy: 0.9070 - val\_loss: 0.1790 - val\_accuracy: 0.9294

Epoch 759/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2377 - accuracy: 0.9069 - val\_loss: 0.1808 - val\_accuracy: 0.9279

Epoch 760/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2374 - accuracy: 0.9069 - val\_loss: 0.1793 - val\_accuracy: 0.9288

Epoch 761/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2378 - accuracy: 0.9067 - val\_loss: 0.1788 - val\_accuracy: 0.9293

Epoch 762/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2373 - accuracy: 0.9069 - val\_loss: 0.1792 - val\_accuracy: 0.9290

Epoch 763/1500

76/76 [==============================] - 10s 138ms/step - loss: 0.2381 - accuracy: 0.9068 - val\_loss: 0.1801 - val\_accuracy: 0.9282

Epoch 764/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2372 - accuracy: 0.9070 - val\_loss: 0.1805 - val\_accuracy: 0.9286

Epoch 765/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2381 - accuracy: 0.9064 - val\_loss: 0.1797 - val\_accuracy: 0.9290

Epoch 766/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2374 - accuracy: 0.9071 - val\_loss: 0.1789 - val\_accuracy: 0.9290

Epoch 767/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2369 - accuracy: 0.9070 - val\_loss: 0.1806 - val\_accuracy: 0.9284

Epoch 768/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2382 - accuracy: 0.9069 - val\_loss: 0.1800 - val\_accuracy: 0.9286

Epoch 769/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2376 - accuracy: 0.9069 - val\_loss: 0.1822 - val\_accuracy: 0.9281

Epoch 770/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2377 - accuracy: 0.9070 - val\_loss: 0.1802 - val\_accuracy: 0.9288

Epoch 771/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2384 - accuracy: 0.9064 - val\_loss: 0.1816 - val\_accuracy: 0.9272

Epoch 772/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2385 - accuracy: 0.9066 - val\_loss: 0.1797 - val\_accuracy: 0.9288

Epoch 773/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2376 - accuracy: 0.9069 - val\_loss: 0.1789 - val\_accuracy: 0.9293

Epoch 774/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2378 - accuracy: 0.9069 - val\_loss: 0.1789 - val\_accuracy: 0.9289

Epoch 775/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2374 - accuracy: 0.9071 - val\_loss: 0.1798 - val\_accuracy: 0.9293

Epoch 776/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2369 - accuracy: 0.9072 - val\_loss: 0.1798 - val\_accuracy: 0.9291

Epoch 777/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2374 - accuracy: 0.9067 - val\_loss: 0.1797 - val\_accuracy: 0.9286

Epoch 778/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2369 - accuracy: 0.9070 - val\_loss: 0.1810 - val\_accuracy: 0.9291

Epoch 779/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2373 - accuracy: 0.9068 - val\_loss: 0.1793 - val\_accuracy: 0.9288

Epoch 780/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2379 - accuracy: 0.9066 - val\_loss: 0.1791 - val\_accuracy: 0.9289

Epoch 781/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2374 - accuracy: 0.9069 - val\_loss: 0.1788 - val\_accuracy: 0.9288

Epoch 782/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2367 - accuracy: 0.9071 - val\_loss: 0.1789 - val\_accuracy: 0.9288

Epoch 783/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2370 - accuracy: 0.9069 - val\_loss: 0.1789 - val\_accuracy: 0.9290

Epoch 784/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2390 - accuracy: 0.9062 - val\_loss: 0.1824 - val\_accuracy: 0.9266

Epoch 785/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2403 - accuracy: 0.9059 - val\_loss: 0.1788 - val\_accuracy: 0.9287

Epoch 786/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2383 - accuracy: 0.9067 - val\_loss: 0.1790 - val\_accuracy: 0.9288

Epoch 787/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2376 - accuracy: 0.9064 - val\_loss: 0.1797 - val\_accuracy: 0.9288

Epoch 788/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2379 - accuracy: 0.9068 - val\_loss: 0.1804 - val\_accuracy: 0.9288

Epoch 789/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2381 - accuracy: 0.9071 - val\_loss: 0.1808 - val\_accuracy: 0.9286

Epoch 790/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2382 - accuracy: 0.9066 - val\_loss: 0.1794 - val\_accuracy: 0.9288

Epoch 791/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2369 - accuracy: 0.9072 - val\_loss: 0.1785 - val\_accuracy: 0.9295

Epoch 792/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2364 - accuracy: 0.9073 - val\_loss: 0.1802 - val\_accuracy: 0.9290

Epoch 793/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2385 - accuracy: 0.9065 - val\_loss: 0.1790 - val\_accuracy: 0.9291

Epoch 794/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2369 - accuracy: 0.9068 - val\_loss: 0.1784 - val\_accuracy: 0.9291

Epoch 795/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2370 - accuracy: 0.9070 - val\_loss: 0.1794 - val\_accuracy: 0.9288

Epoch 796/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2378 - accuracy: 0.9066 - val\_loss: 0.1794 - val\_accuracy: 0.9287

Epoch 797/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2362 - accuracy: 0.9075 - val\_loss: 0.1794 - val\_accuracy: 0.9292

Epoch 798/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2371 - accuracy: 0.9072 - val\_loss: 0.1811 - val\_accuracy: 0.9285

Epoch 799/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2371 - accuracy: 0.9072 - val\_loss: 0.1797 - val\_accuracy: 0.9287

Epoch 800/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2366 - accuracy: 0.9072 - val\_loss: 0.1783 - val\_accuracy: 0.9293

Epoch 801/1500

76/76 [==============================] - 10s 138ms/step - loss: 0.2367 - accuracy: 0.9071 - val\_loss: 0.1790 - val\_accuracy: 0.9292

Epoch 802/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2358 - accuracy: 0.9073 - val\_loss: 0.1788 - val\_accuracy: 0.9287

Epoch 803/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2366 - accuracy: 0.9075 - val\_loss: 0.1785 - val\_accuracy: 0.9293

Epoch 804/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2367 - accuracy: 0.9072 - val\_loss: 0.1789 - val\_accuracy: 0.9287

Epoch 805/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2376 - accuracy: 0.9068 - val\_loss: 0.1787 - val\_accuracy: 0.9292

Epoch 806/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2366 - accuracy: 0.9074 - val\_loss: 0.1792 - val\_accuracy: 0.9289

Epoch 807/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2367 - accuracy: 0.9070 - val\_loss: 0.1792 - val\_accuracy: 0.9288

Epoch 808/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2363 - accuracy: 0.9071 - val\_loss: 0.1803 - val\_accuracy: 0.9289

Epoch 809/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2360 - accuracy: 0.9075 - val\_loss: 0.1796 - val\_accuracy: 0.9290

Epoch 810/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2369 - accuracy: 0.9075 - val\_loss: 0.1797 - val\_accuracy: 0.9282

Epoch 811/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2369 - accuracy: 0.9071 - val\_loss: 0.1793 - val\_accuracy: 0.9288

Epoch 812/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2362 - accuracy: 0.9074 - val\_loss: 0.1798 - val\_accuracy: 0.9287

Epoch 813/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2364 - accuracy: 0.9073 - val\_loss: 0.1793 - val\_accuracy: 0.9291

Epoch 814/1500

76/76 [==============================] - 11s 139ms/step - loss: 0.2366 - accuracy: 0.9074 - val\_loss: 0.1786 - val\_accuracy: 0.9288

Epoch 815/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2364 - accuracy: 0.9073 - val\_loss: 0.1793 - val\_accuracy: 0.9291

Epoch 816/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2366 - accuracy: 0.9072 - val\_loss: 0.1792 - val\_accuracy: 0.9291

Epoch 817/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2362 - accuracy: 0.9075 - val\_loss: 0.1789 - val\_accuracy: 0.9292

Epoch 818/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2367 - accuracy: 0.9071 - val\_loss: 0.1780 - val\_accuracy: 0.9292

Epoch 819/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2374 - accuracy: 0.9072 - val\_loss: 0.1816 - val\_accuracy: 0.9286

Epoch 820/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2367 - accuracy: 0.9073 - val\_loss: 0.1784 - val\_accuracy: 0.9293

Epoch 821/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2368 - accuracy: 0.9072 - val\_loss: 0.1794 - val\_accuracy: 0.9289

Epoch 822/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2368 - accuracy: 0.9074 - val\_loss: 0.1787 - val\_accuracy: 0.9295

Epoch 823/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2361 - accuracy: 0.9075 - val\_loss: 0.1782 - val\_accuracy: 0.9294

Epoch 824/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2360 - accuracy: 0.9076 - val\_loss: 0.1803 - val\_accuracy: 0.9285

Epoch 825/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2372 - accuracy: 0.9070 - val\_loss: 0.1790 - val\_accuracy: 0.9293

Epoch 826/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2361 - accuracy: 0.9075 - val\_loss: 0.1774 - val\_accuracy: 0.9292

Epoch 827/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2366 - accuracy: 0.9074 - val\_loss: 0.1789 - val\_accuracy: 0.9293

Epoch 828/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2366 - accuracy: 0.9074 - val\_loss: 0.1788 - val\_accuracy: 0.9288

Epoch 829/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2369 - accuracy: 0.9072 - val\_loss: 0.1782 - val\_accuracy: 0.9296

Epoch 830/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2356 - accuracy: 0.9076 - val\_loss: 0.1780 - val\_accuracy: 0.9294

Epoch 831/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2348 - accuracy: 0.9081 - val\_loss: 0.1783 - val\_accuracy: 0.9294

Epoch 832/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2363 - accuracy: 0.9073 - val\_loss: 0.1786 - val\_accuracy: 0.9290

Epoch 833/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2367 - accuracy: 0.9069 - val\_loss: 0.1800 - val\_accuracy: 0.9271

Epoch 834/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2365 - accuracy: 0.9073 - val\_loss: 0.1785 - val\_accuracy: 0.9287

Epoch 835/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2366 - accuracy: 0.9073 - val\_loss: 0.1783 - val\_accuracy: 0.9297

Epoch 836/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2366 - accuracy: 0.9073 - val\_loss: 0.1786 - val\_accuracy: 0.9290

Epoch 837/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2371 - accuracy: 0.9070 - val\_loss: 0.1786 - val\_accuracy: 0.9288

Epoch 838/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2362 - accuracy: 0.9074 - val\_loss: 0.1787 - val\_accuracy: 0.9293

Epoch 839/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2361 - accuracy: 0.9075 - val\_loss: 0.1791 - val\_accuracy: 0.9290

Epoch 840/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2361 - accuracy: 0.9074 - val\_loss: 0.1799 - val\_accuracy: 0.9276

Epoch 841/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2370 - accuracy: 0.9071 - val\_loss: 0.1791 - val\_accuracy: 0.9293

Epoch 842/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2364 - accuracy: 0.9072 - val\_loss: 0.1782 - val\_accuracy: 0.9288

Epoch 843/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2369 - accuracy: 0.9072 - val\_loss: 0.1783 - val\_accuracy: 0.9294

Epoch 844/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2368 - accuracy: 0.9074 - val\_loss: 0.1811 - val\_accuracy: 0.9289

Epoch 845/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2379 - accuracy: 0.9069 - val\_loss: 0.1787 - val\_accuracy: 0.9291

Epoch 846/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2359 - accuracy: 0.9077 - val\_loss: 0.1784 - val\_accuracy: 0.9292

Epoch 847/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2362 - accuracy: 0.9074 - val\_loss: 0.1784 - val\_accuracy: 0.9295

Epoch 848/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2362 - accuracy: 0.9076 - val\_loss: 0.1800 - val\_accuracy: 0.9287

Epoch 849/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2368 - accuracy: 0.9073 - val\_loss: 0.1791 - val\_accuracy: 0.9290

Epoch 850/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2362 - accuracy: 0.9077 - val\_loss: 0.1780 - val\_accuracy: 0.9294

Epoch 851/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2371 - accuracy: 0.9071 - val\_loss: 0.1787 - val\_accuracy: 0.9292

Epoch 852/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2369 - accuracy: 0.9070 - val\_loss: 0.1781 - val\_accuracy: 0.9294

Epoch 853/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2359 - accuracy: 0.9079 - val\_loss: 0.1782 - val\_accuracy: 0.9299

Epoch 854/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2358 - accuracy: 0.9078 - val\_loss: 0.1788 - val\_accuracy: 0.9290

Epoch 855/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2357 - accuracy: 0.9076 - val\_loss: 0.1786 - val\_accuracy: 0.9290

Epoch 856/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2368 - accuracy: 0.9071 - val\_loss: 0.1789 - val\_accuracy: 0.9287

Epoch 857/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2362 - accuracy: 0.9075 - val\_loss: 0.1792 - val\_accuracy: 0.9289

Epoch 858/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2362 - accuracy: 0.9074 - val\_loss: 0.1799 - val\_accuracy: 0.9292

Epoch 859/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2361 - accuracy: 0.9074 - val\_loss: 0.1774 - val\_accuracy: 0.9298

Epoch 860/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2352 - accuracy: 0.9077 - val\_loss: 0.1775 - val\_accuracy: 0.9295

Epoch 861/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2360 - accuracy: 0.9077 - val\_loss: 0.1784 - val\_accuracy: 0.9293

Epoch 862/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2362 - accuracy: 0.9074 - val\_loss: 0.1780 - val\_accuracy: 0.9295

Epoch 863/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2365 - accuracy: 0.9075 - val\_loss: 0.1778 - val\_accuracy: 0.9295

Epoch 864/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2356 - accuracy: 0.9076 - val\_loss: 0.1790 - val\_accuracy: 0.9286

Epoch 865/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2359 - accuracy: 0.9077 - val\_loss: 0.1789 - val\_accuracy: 0.9286

Epoch 866/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2379 - accuracy: 0.9072 - val\_loss: 0.1784 - val\_accuracy: 0.9296

Epoch 867/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2375 - accuracy: 0.9070 - val\_loss: 0.1781 - val\_accuracy: 0.9294

Epoch 868/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2354 - accuracy: 0.9078 - val\_loss: 0.1776 - val\_accuracy: 0.9297

Epoch 869/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2362 - accuracy: 0.9075 - val\_loss: 0.1793 - val\_accuracy: 0.9287

Epoch 870/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2360 - accuracy: 0.9075 - val\_loss: 0.1785 - val\_accuracy: 0.9290

Epoch 871/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2362 - accuracy: 0.9078 - val\_loss: 0.1790 - val\_accuracy: 0.9290

Epoch 872/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2360 - accuracy: 0.9076 - val\_loss: 0.1782 - val\_accuracy: 0.9291

Epoch 873/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2366 - accuracy: 0.9074 - val\_loss: 0.1789 - val\_accuracy: 0.9295

Epoch 874/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2366 - accuracy: 0.9074 - val\_loss: 0.1793 - val\_accuracy: 0.9291

Epoch 875/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2363 - accuracy: 0.9073 - val\_loss: 0.1779 - val\_accuracy: 0.9297

Epoch 876/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2356 - accuracy: 0.9078 - val\_loss: 0.1777 - val\_accuracy: 0.9298

Epoch 877/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2355 - accuracy: 0.9077 - val\_loss: 0.1786 - val\_accuracy: 0.9291

Epoch 878/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2362 - accuracy: 0.9075 - val\_loss: 0.1788 - val\_accuracy: 0.9293

Epoch 879/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2358 - accuracy: 0.9078 - val\_loss: 0.1785 - val\_accuracy: 0.9289

Epoch 880/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2353 - accuracy: 0.9078 - val\_loss: 0.1777 - val\_accuracy: 0.9296

Epoch 881/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2354 - accuracy: 0.9078 - val\_loss: 0.1783 - val\_accuracy: 0.9293

Epoch 882/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2353 - accuracy: 0.9075 - val\_loss: 0.1771 - val\_accuracy: 0.9303

Epoch 883/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2355 - accuracy: 0.9080 - val\_loss: 0.1781 - val\_accuracy: 0.9294

Epoch 884/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2357 - accuracy: 0.9076 - val\_loss: 0.1799 - val\_accuracy: 0.9286

Epoch 885/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2356 - accuracy: 0.9075 - val\_loss: 0.1781 - val\_accuracy: 0.9297

Epoch 886/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2349 - accuracy: 0.9080 - val\_loss: 0.1776 - val\_accuracy: 0.9291

Epoch 887/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2353 - accuracy: 0.9079 - val\_loss: 0.1785 - val\_accuracy: 0.9295

Epoch 888/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2356 - accuracy: 0.9076 - val\_loss: 0.1784 - val\_accuracy: 0.9293

Epoch 889/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2353 - accuracy: 0.9076 - val\_loss: 0.1781 - val\_accuracy: 0.9293

Epoch 890/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2357 - accuracy: 0.9079 - val\_loss: 0.1777 - val\_accuracy: 0.9295

Epoch 891/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2354 - accuracy: 0.9080 - val\_loss: 0.1780 - val\_accuracy: 0.9291

Epoch 892/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2351 - accuracy: 0.9077 - val\_loss: 0.1777 - val\_accuracy: 0.9299

Epoch 893/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2357 - accuracy: 0.9077 - val\_loss: 0.1778 - val\_accuracy: 0.9294

Epoch 894/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2358 - accuracy: 0.9075 - val\_loss: 0.1787 - val\_accuracy: 0.9292

Epoch 895/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2359 - accuracy: 0.9078 - val\_loss: 0.1776 - val\_accuracy: 0.9290

Epoch 896/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2356 - accuracy: 0.9078 - val\_loss: 0.1786 - val\_accuracy: 0.9296

Epoch 897/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2349 - accuracy: 0.9080 - val\_loss: 0.1779 - val\_accuracy: 0.9294

Epoch 898/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2351 - accuracy: 0.9080 - val\_loss: 0.1773 - val\_accuracy: 0.9299

Epoch 899/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2349 - accuracy: 0.9081 - val\_loss: 0.1766 - val\_accuracy: 0.9299

Epoch 900/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2353 - accuracy: 0.9083 - val\_loss: 0.1791 - val\_accuracy: 0.9295

Epoch 901/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2357 - accuracy: 0.9076 - val\_loss: 0.1788 - val\_accuracy: 0.9291

Epoch 902/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2365 - accuracy: 0.9073 - val\_loss: 0.1784 - val\_accuracy: 0.9289

Epoch 903/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2352 - accuracy: 0.9077 - val\_loss: 0.1776 - val\_accuracy: 0.9299

Epoch 904/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2352 - accuracy: 0.9077 - val\_loss: 0.1778 - val\_accuracy: 0.9298

Epoch 905/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2348 - accuracy: 0.9079 - val\_loss: 0.1790 - val\_accuracy: 0.9292

Epoch 906/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2348 - accuracy: 0.9081 - val\_loss: 0.1774 - val\_accuracy: 0.9300

Epoch 907/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2355 - accuracy: 0.9076 - val\_loss: 0.1785 - val\_accuracy: 0.9294

Epoch 908/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2352 - accuracy: 0.9079 - val\_loss: 0.1773 - val\_accuracy: 0.9295

Epoch 909/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2351 - accuracy: 0.9081 - val\_loss: 0.1779 - val\_accuracy: 0.9297

Epoch 910/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2352 - accuracy: 0.9079 - val\_loss: 0.1780 - val\_accuracy: 0.9292

Epoch 911/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2352 - accuracy: 0.9081 - val\_loss: 0.1776 - val\_accuracy: 0.9290

Epoch 912/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2352 - accuracy: 0.9078 - val\_loss: 0.1777 - val\_accuracy: 0.9297

Epoch 913/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2373 - accuracy: 0.9073 - val\_loss: 0.1780 - val\_accuracy: 0.9298

Epoch 914/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2359 - accuracy: 0.9077 - val\_loss: 0.1775 - val\_accuracy: 0.9300

Epoch 915/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2351 - accuracy: 0.9080 - val\_loss: 0.1770 - val\_accuracy: 0.9299

Epoch 916/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2344 - accuracy: 0.9083 - val\_loss: 0.1785 - val\_accuracy: 0.9294

Epoch 917/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2354 - accuracy: 0.9077 - val\_loss: 0.1774 - val\_accuracy: 0.9297

Epoch 918/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2361 - accuracy: 0.9074 - val\_loss: 0.1773 - val\_accuracy: 0.9295

Epoch 919/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2352 - accuracy: 0.9079 - val\_loss: 0.1781 - val\_accuracy: 0.9296

Epoch 920/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2349 - accuracy: 0.9081 - val\_loss: 0.1770 - val\_accuracy: 0.9297

Epoch 921/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2356 - accuracy: 0.9078 - val\_loss: 0.1788 - val\_accuracy: 0.9279

Epoch 922/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2349 - accuracy: 0.9080 - val\_loss: 0.1777 - val\_accuracy: 0.9297

Epoch 923/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2351 - accuracy: 0.9081 - val\_loss: 0.1776 - val\_accuracy: 0.9298

Epoch 924/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2348 - accuracy: 0.9080 - val\_loss: 0.1773 - val\_accuracy: 0.9297

Epoch 925/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2358 - accuracy: 0.9078 - val\_loss: 0.1779 - val\_accuracy: 0.9292

Epoch 926/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2351 - accuracy: 0.9076 - val\_loss: 0.1782 - val\_accuracy: 0.9294

Epoch 927/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2350 - accuracy: 0.9080 - val\_loss: 0.1772 - val\_accuracy: 0.9297

Epoch 928/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2345 - accuracy: 0.9084 - val\_loss: 0.1775 - val\_accuracy: 0.9298

Epoch 929/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2344 - accuracy: 0.9081 - val\_loss: 0.1784 - val\_accuracy: 0.9290

Epoch 930/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2357 - accuracy: 0.9080 - val\_loss: 0.1773 - val\_accuracy: 0.9295

Epoch 931/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2341 - accuracy: 0.9081 - val\_loss: 0.1780 - val\_accuracy: 0.9292

Epoch 932/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2350 - accuracy: 0.9077 - val\_loss: 0.1776 - val\_accuracy: 0.9299

Epoch 933/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2349 - accuracy: 0.9081 - val\_loss: 0.1779 - val\_accuracy: 0.9296

Epoch 934/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2348 - accuracy: 0.9080 - val\_loss: 0.1777 - val\_accuracy: 0.9295

Epoch 935/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2345 - accuracy: 0.9082 - val\_loss: 0.1781 - val\_accuracy: 0.9296

Epoch 936/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2348 - accuracy: 0.9079 - val\_loss: 0.1768 - val\_accuracy: 0.9298

Epoch 937/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2345 - accuracy: 0.9082 - val\_loss: 0.1780 - val\_accuracy: 0.9292

Epoch 938/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2351 - accuracy: 0.9081 - val\_loss: 0.1776 - val\_accuracy: 0.9292

Epoch 939/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2344 - accuracy: 0.9081 - val\_loss: 0.1787 - val\_accuracy: 0.9291

Epoch 940/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2347 - accuracy: 0.9081 - val\_loss: 0.1777 - val\_accuracy: 0.9290

Epoch 941/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2359 - accuracy: 0.9075 - val\_loss: 0.1787 - val\_accuracy: 0.9290

Epoch 942/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2353 - accuracy: 0.9079 - val\_loss: 0.1794 - val\_accuracy: 0.9291

Epoch 943/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2354 - accuracy: 0.9081 - val\_loss: 0.1770 - val\_accuracy: 0.9298

Epoch 944/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2340 - accuracy: 0.9087 - val\_loss: 0.1794 - val\_accuracy: 0.9284

Epoch 945/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2349 - accuracy: 0.9080 - val\_loss: 0.1787 - val\_accuracy: 0.9285

Epoch 946/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2353 - accuracy: 0.9080 - val\_loss: 0.1769 - val\_accuracy: 0.9293

Epoch 947/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2349 - accuracy: 0.9080 - val\_loss: 0.1789 - val\_accuracy: 0.9290

Epoch 948/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2351 - accuracy: 0.9079 - val\_loss: 0.1781 - val\_accuracy: 0.9294

Epoch 949/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2347 - accuracy: 0.9081 - val\_loss: 0.1790 - val\_accuracy: 0.9300

Epoch 950/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2344 - accuracy: 0.9082 - val\_loss: 0.1773 - val\_accuracy: 0.9298

Epoch 951/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2341 - accuracy: 0.9082 - val\_loss: 0.1777 - val\_accuracy: 0.9293

Epoch 952/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2366 - accuracy: 0.9075 - val\_loss: 0.1790 - val\_accuracy: 0.9283

Epoch 953/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2348 - accuracy: 0.9080 - val\_loss: 0.1773 - val\_accuracy: 0.9294

Epoch 954/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2350 - accuracy: 0.9078 - val\_loss: 0.1777 - val\_accuracy: 0.9298

Epoch 955/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2346 - accuracy: 0.9081 - val\_loss: 0.1780 - val\_accuracy: 0.9288

Epoch 956/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2354 - accuracy: 0.9081 - val\_loss: 0.1782 - val\_accuracy: 0.9291

Epoch 957/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2353 - accuracy: 0.9079 - val\_loss: 0.1778 - val\_accuracy: 0.9294

Epoch 958/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2356 - accuracy: 0.9079 - val\_loss: 0.1793 - val\_accuracy: 0.9289

Epoch 959/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2349 - accuracy: 0.9081 - val\_loss: 0.1781 - val\_accuracy: 0.9299

Epoch 960/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2344 - accuracy: 0.9081 - val\_loss: 0.1774 - val\_accuracy: 0.9301

Epoch 961/1500

76/76 [==============================] - 10s 138ms/step - loss: 0.2337 - accuracy: 0.9087 - val\_loss: 0.1784 - val\_accuracy: 0.9290

Epoch 962/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2338 - accuracy: 0.9088 - val\_loss: 0.1774 - val\_accuracy: 0.9294

Epoch 963/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2351 - accuracy: 0.9078 - val\_loss: 0.1768 - val\_accuracy: 0.9297

Epoch 964/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2335 - accuracy: 0.9085 - val\_loss: 0.1764 - val\_accuracy: 0.9301

Epoch 965/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2347 - accuracy: 0.9082 - val\_loss: 0.1795 - val\_accuracy: 0.9287

Epoch 966/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2348 - accuracy: 0.9080 - val\_loss: 0.1770 - val\_accuracy: 0.9298

Epoch 967/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2346 - accuracy: 0.9083 - val\_loss: 0.1775 - val\_accuracy: 0.9297

Epoch 968/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2340 - accuracy: 0.9083 - val\_loss: 0.1771 - val\_accuracy: 0.9299

Epoch 969/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2349 - accuracy: 0.9081 - val\_loss: 0.1767 - val\_accuracy: 0.9299

Epoch 970/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2337 - accuracy: 0.9086 - val\_loss: 0.1777 - val\_accuracy: 0.9294

Epoch 971/1500

76/76 [==============================] - 10s 138ms/step - loss: 0.2344 - accuracy: 0.9083 - val\_loss: 0.1781 - val\_accuracy: 0.9297

Epoch 972/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2337 - accuracy: 0.9087 - val\_loss: 0.1777 - val\_accuracy: 0.9293

Epoch 973/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2348 - accuracy: 0.9081 - val\_loss: 0.1781 - val\_accuracy: 0.9297

Epoch 974/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2339 - accuracy: 0.9085 - val\_loss: 0.1762 - val\_accuracy: 0.9301

Epoch 975/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2341 - accuracy: 0.9083 - val\_loss: 0.1776 - val\_accuracy: 0.9291

Epoch 976/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2344 - accuracy: 0.9081 - val\_loss: 0.1762 - val\_accuracy: 0.9301

Epoch 977/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2344 - accuracy: 0.9081 - val\_loss: 0.1782 - val\_accuracy: 0.9292

Epoch 978/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2347 - accuracy: 0.9080 - val\_loss: 0.1780 - val\_accuracy: 0.9294

Epoch 979/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2342 - accuracy: 0.9084 - val\_loss: 0.1770 - val\_accuracy: 0.9293

Epoch 980/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2347 - accuracy: 0.9081 - val\_loss: 0.1781 - val\_accuracy: 0.9297

Epoch 981/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2344 - accuracy: 0.9082 - val\_loss: 0.1777 - val\_accuracy: 0.9292

Epoch 982/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2344 - accuracy: 0.9083 - val\_loss: 0.1780 - val\_accuracy: 0.9300

Epoch 983/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2342 - accuracy: 0.9082 - val\_loss: 0.1769 - val\_accuracy: 0.9297

Epoch 984/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2339 - accuracy: 0.9087 - val\_loss: 0.1781 - val\_accuracy: 0.9295

Epoch 985/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2355 - accuracy: 0.9076 - val\_loss: 0.1766 - val\_accuracy: 0.9298

Epoch 986/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2341 - accuracy: 0.9086 - val\_loss: 0.1788 - val\_accuracy: 0.9294

Epoch 987/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2341 - accuracy: 0.9087 - val\_loss: 0.1763 - val\_accuracy: 0.9300

Epoch 988/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2343 - accuracy: 0.9085 - val\_loss: 0.1777 - val\_accuracy: 0.9299

Epoch 989/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2353 - accuracy: 0.9079 - val\_loss: 0.1775 - val\_accuracy: 0.9291

Epoch 990/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2341 - accuracy: 0.9085 - val\_loss: 0.1767 - val\_accuracy: 0.9296

Epoch 991/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2342 - accuracy: 0.9083 - val\_loss: 0.1774 - val\_accuracy: 0.9295

Epoch 992/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2342 - accuracy: 0.9081 - val\_loss: 0.1765 - val\_accuracy: 0.9302

Epoch 993/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2337 - accuracy: 0.9085 - val\_loss: 0.1764 - val\_accuracy: 0.9303

Epoch 994/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2333 - accuracy: 0.9088 - val\_loss: 0.1776 - val\_accuracy: 0.9297

Epoch 995/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2339 - accuracy: 0.9085 - val\_loss: 0.1761 - val\_accuracy: 0.9302

Epoch 996/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2337 - accuracy: 0.9086 - val\_loss: 0.1763 - val\_accuracy: 0.9299

Epoch 997/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2334 - accuracy: 0.9087 - val\_loss: 0.1765 - val\_accuracy: 0.9305

Epoch 998/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2343 - accuracy: 0.9081 - val\_loss: 0.1773 - val\_accuracy: 0.9295

Epoch 999/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2338 - accuracy: 0.9086 - val\_loss: 0.1771 - val\_accuracy: 0.9298

Epoch 1000/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2353 - accuracy: 0.9079 - val\_loss: 0.1764 - val\_accuracy: 0.9302

Epoch 1001/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2338 - accuracy: 0.9086 - val\_loss: 0.1775 - val\_accuracy: 0.9296

Epoch 1002/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2336 - accuracy: 0.9086 - val\_loss: 0.1773 - val\_accuracy: 0.9290

Epoch 1003/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2343 - accuracy: 0.9082 - val\_loss: 0.1775 - val\_accuracy: 0.9294

Epoch 1004/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2327 - accuracy: 0.9091 - val\_loss: 0.1765 - val\_accuracy: 0.9298

Epoch 1005/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2341 - accuracy: 0.9083 - val\_loss: 0.1780 - val\_accuracy: 0.9297

Epoch 1006/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2346 - accuracy: 0.9085 - val\_loss: 0.1762 - val\_accuracy: 0.9301

Epoch 1007/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2335 - accuracy: 0.9087 - val\_loss: 0.1785 - val\_accuracy: 0.9296

Epoch 1008/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2338 - accuracy: 0.9085 - val\_loss: 0.1777 - val\_accuracy: 0.9297

Epoch 1009/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2341 - accuracy: 0.9085 - val\_loss: 0.1785 - val\_accuracy: 0.9298

Epoch 1010/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2341 - accuracy: 0.9085 - val\_loss: 0.1772 - val\_accuracy: 0.9295

Epoch 1011/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2339 - accuracy: 0.9085 - val\_loss: 0.1771 - val\_accuracy: 0.9299

Epoch 1012/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2339 - accuracy: 0.9083 - val\_loss: 0.1766 - val\_accuracy: 0.9297

Epoch 1013/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2344 - accuracy: 0.9083 - val\_loss: 0.1764 - val\_accuracy: 0.9298

Epoch 1014/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2337 - accuracy: 0.9086 - val\_loss: 0.1766 - val\_accuracy: 0.9298

Epoch 1015/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2345 - accuracy: 0.9082 - val\_loss: 0.1770 - val\_accuracy: 0.9296

Epoch 1016/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2342 - accuracy: 0.9083 - val\_loss: 0.1789 - val\_accuracy: 0.9299

Epoch 1017/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2336 - accuracy: 0.9084 - val\_loss: 0.1768 - val\_accuracy: 0.9300

Epoch 1018/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2341 - accuracy: 0.9084 - val\_loss: 0.1764 - val\_accuracy: 0.9305

Epoch 1019/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2338 - accuracy: 0.9085 - val\_loss: 0.1759 - val\_accuracy: 0.9298

Epoch 1020/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2338 - accuracy: 0.9085 - val\_loss: 0.1771 - val\_accuracy: 0.9300

Epoch 1021/1500

76/76 [==============================] - 10s 138ms/step - loss: 0.2334 - accuracy: 0.9084 - val\_loss: 0.1766 - val\_accuracy: 0.9299

Epoch 1022/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2335 - accuracy: 0.9084 - val\_loss: 0.1780 - val\_accuracy: 0.9300

Epoch 1023/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2348 - accuracy: 0.9084 - val\_loss: 0.1782 - val\_accuracy: 0.9296

Epoch 1024/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2339 - accuracy: 0.9084 - val\_loss: 0.1761 - val\_accuracy: 0.9306

Epoch 1025/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2336 - accuracy: 0.9084 - val\_loss: 0.1769 - val\_accuracy: 0.9295

Epoch 1026/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2335 - accuracy: 0.9084 - val\_loss: 0.1789 - val\_accuracy: 0.9293

Epoch 1027/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2341 - accuracy: 0.9087 - val\_loss: 0.1769 - val\_accuracy: 0.9298

Epoch 1028/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2354 - accuracy: 0.9081 - val\_loss: 0.1780 - val\_accuracy: 0.9297

Epoch 1029/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2357 - accuracy: 0.9078 - val\_loss: 0.1780 - val\_accuracy: 0.9295

Epoch 1030/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2345 - accuracy: 0.9080 - val\_loss: 0.1769 - val\_accuracy: 0.9294

Epoch 1031/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2336 - accuracy: 0.9086 - val\_loss: 0.1771 - val\_accuracy: 0.9295

Epoch 1032/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2341 - accuracy: 0.9082 - val\_loss: 0.1766 - val\_accuracy: 0.9300

Epoch 1033/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2338 - accuracy: 0.9087 - val\_loss: 0.1770 - val\_accuracy: 0.9295

Epoch 1034/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2345 - accuracy: 0.9083 - val\_loss: 0.1775 - val\_accuracy: 0.9294

Epoch 1035/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2337 - accuracy: 0.9086 - val\_loss: 0.1770 - val\_accuracy: 0.9295

Epoch 1036/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2336 - accuracy: 0.9086 - val\_loss: 0.1777 - val\_accuracy: 0.9298

Epoch 1037/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2339 - accuracy: 0.9084 - val\_loss: 0.1768 - val\_accuracy: 0.9302

Epoch 1038/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2329 - accuracy: 0.9090 - val\_loss: 0.1760 - val\_accuracy: 0.9299

Epoch 1039/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2341 - accuracy: 0.9087 - val\_loss: 0.1763 - val\_accuracy: 0.9297

Epoch 1040/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2330 - accuracy: 0.9086 - val\_loss: 0.1760 - val\_accuracy: 0.9300

Epoch 1041/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2336 - accuracy: 0.9087 - val\_loss: 0.1762 - val\_accuracy: 0.9299

Epoch 1042/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2339 - accuracy: 0.9087 - val\_loss: 0.1763 - val\_accuracy: 0.9300

Epoch 1043/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2334 - accuracy: 0.9090 - val\_loss: 0.1767 - val\_accuracy: 0.9304

Epoch 1044/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2327 - accuracy: 0.9090 - val\_loss: 0.1788 - val\_accuracy: 0.9296

Epoch 1045/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2327 - accuracy: 0.9090 - val\_loss: 0.1763 - val\_accuracy: 0.9302

Epoch 1046/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2333 - accuracy: 0.9086 - val\_loss: 0.1765 - val\_accuracy: 0.9299

Epoch 1047/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2334 - accuracy: 0.9087 - val\_loss: 0.1767 - val\_accuracy: 0.9296

Epoch 1048/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2337 - accuracy: 0.9088 - val\_loss: 0.1767 - val\_accuracy: 0.9301

Epoch 1049/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2336 - accuracy: 0.9087 - val\_loss: 0.1763 - val\_accuracy: 0.9299

Epoch 1050/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2344 - accuracy: 0.9086 - val\_loss: 0.1800 - val\_accuracy: 0.9291

Epoch 1051/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2342 - accuracy: 0.9086 - val\_loss: 0.1762 - val\_accuracy: 0.9299

Epoch 1052/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2345 - accuracy: 0.9082 - val\_loss: 0.1762 - val\_accuracy: 0.9298

Epoch 1053/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2335 - accuracy: 0.9084 - val\_loss: 0.1766 - val\_accuracy: 0.9298

Epoch 1054/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2336 - accuracy: 0.9089 - val\_loss: 0.1760 - val\_accuracy: 0.9298

Epoch 1055/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2335 - accuracy: 0.9086 - val\_loss: 0.1763 - val\_accuracy: 0.9298

Epoch 1056/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2326 - accuracy: 0.9088 - val\_loss: 0.1751 - val\_accuracy: 0.9304

Epoch 1057/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2336 - accuracy: 0.9088 - val\_loss: 0.1759 - val\_accuracy: 0.9301

Epoch 1058/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2336 - accuracy: 0.9087 - val\_loss: 0.1762 - val\_accuracy: 0.9300

Epoch 1059/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2338 - accuracy: 0.9085 - val\_loss: 0.1767 - val\_accuracy: 0.9303

Epoch 1060/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2331 - accuracy: 0.9088 - val\_loss: 0.1771 - val\_accuracy: 0.9301

Epoch 1061/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2340 - accuracy: 0.9085 - val\_loss: 0.1761 - val\_accuracy: 0.9297

Epoch 1062/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2330 - accuracy: 0.9089 - val\_loss: 0.1775 - val\_accuracy: 0.9301

Epoch 1063/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2331 - accuracy: 0.9090 - val\_loss: 0.1779 - val\_accuracy: 0.9297

Epoch 1064/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2340 - accuracy: 0.9084 - val\_loss: 0.1762 - val\_accuracy: 0.9305

Epoch 1065/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2330 - accuracy: 0.9089 - val\_loss: 0.1769 - val\_accuracy: 0.9294

Epoch 1066/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2333 - accuracy: 0.9088 - val\_loss: 0.1766 - val\_accuracy: 0.9294

Epoch 1067/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2335 - accuracy: 0.9087 - val\_loss: 0.1760 - val\_accuracy: 0.9299

Epoch 1068/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2337 - accuracy: 0.9086 - val\_loss: 0.1751 - val\_accuracy: 0.9300

Epoch 1069/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2330 - accuracy: 0.9087 - val\_loss: 0.1764 - val\_accuracy: 0.9301

Epoch 1070/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2329 - accuracy: 0.9091 - val\_loss: 0.1763 - val\_accuracy: 0.9302

Epoch 1071/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2332 - accuracy: 0.9088 - val\_loss: 0.1763 - val\_accuracy: 0.9298

Epoch 1072/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2339 - accuracy: 0.9085 - val\_loss: 0.1769 - val\_accuracy: 0.9299

Epoch 1073/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2335 - accuracy: 0.9087 - val\_loss: 0.1766 - val\_accuracy: 0.9304

Epoch 1074/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2326 - accuracy: 0.9089 - val\_loss: 0.1773 - val\_accuracy: 0.9302

Epoch 1075/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2322 - accuracy: 0.9091 - val\_loss: 0.1765 - val\_accuracy: 0.9296

Epoch 1076/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2332 - accuracy: 0.9088 - val\_loss: 0.1761 - val\_accuracy: 0.9296

Epoch 1077/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2334 - accuracy: 0.9087 - val\_loss: 0.1761 - val\_accuracy: 0.9302

Epoch 1078/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2329 - accuracy: 0.9088 - val\_loss: 0.1766 - val\_accuracy: 0.9300

Epoch 1079/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2332 - accuracy: 0.9088 - val\_loss: 0.1773 - val\_accuracy: 0.9299

Epoch 1080/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2332 - accuracy: 0.9087 - val\_loss: 0.1759 - val\_accuracy: 0.9304

Epoch 1081/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2330 - accuracy: 0.9090 - val\_loss: 0.1770 - val\_accuracy: 0.9299

Epoch 1082/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2334 - accuracy: 0.9088 - val\_loss: 0.1762 - val\_accuracy: 0.9303

Epoch 1083/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2332 - accuracy: 0.9091 - val\_loss: 0.1764 - val\_accuracy: 0.9299

Epoch 1084/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2336 - accuracy: 0.9088 - val\_loss: 0.1759 - val\_accuracy: 0.9304

Epoch 1085/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2336 - accuracy: 0.9087 - val\_loss: 0.1757 - val\_accuracy: 0.9303

Epoch 1086/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2322 - accuracy: 0.9092 - val\_loss: 0.1755 - val\_accuracy: 0.9307

Epoch 1087/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2368 - accuracy: 0.9078 - val\_loss: 0.1771 - val\_accuracy: 0.9300

Epoch 1088/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2344 - accuracy: 0.9083 - val\_loss: 0.1777 - val\_accuracy: 0.9300

Epoch 1089/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2333 - accuracy: 0.9085 - val\_loss: 0.1766 - val\_accuracy: 0.9301

Epoch 1090/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2324 - accuracy: 0.9089 - val\_loss: 0.1779 - val\_accuracy: 0.9298

Epoch 1091/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2330 - accuracy: 0.9091 - val\_loss: 0.1774 - val\_accuracy: 0.9294

Epoch 1092/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2331 - accuracy: 0.9087 - val\_loss: 0.1765 - val\_accuracy: 0.9297

Epoch 1093/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2335 - accuracy: 0.9087 - val\_loss: 0.1761 - val\_accuracy: 0.9301

Epoch 1094/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2338 - accuracy: 0.9086 - val\_loss: 0.1756 - val\_accuracy: 0.9301

Epoch 1095/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2330 - accuracy: 0.9087 - val\_loss: 0.1757 - val\_accuracy: 0.9306

Epoch 1096/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2323 - accuracy: 0.9092 - val\_loss: 0.1772 - val\_accuracy: 0.9294

Epoch 1097/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2330 - accuracy: 0.9089 - val\_loss: 0.1759 - val\_accuracy: 0.9300

Epoch 1098/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2330 - accuracy: 0.9086 - val\_loss: 0.1766 - val\_accuracy: 0.9299

Epoch 1099/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2328 - accuracy: 0.9093 - val\_loss: 0.1759 - val\_accuracy: 0.9300

Epoch 1100/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2329 - accuracy: 0.9088 - val\_loss: 0.1756 - val\_accuracy: 0.9303

Epoch 1101/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2328 - accuracy: 0.9090 - val\_loss: 0.1766 - val\_accuracy: 0.9296

Epoch 1102/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2333 - accuracy: 0.9086 - val\_loss: 0.1761 - val\_accuracy: 0.9299

Epoch 1103/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2314 - accuracy: 0.9094 - val\_loss: 0.1749 - val\_accuracy: 0.9305

Epoch 1104/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2326 - accuracy: 0.9091 - val\_loss: 0.1792 - val\_accuracy: 0.9299

Epoch 1105/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2330 - accuracy: 0.9089 - val\_loss: 0.1770 - val\_accuracy: 0.9303

Epoch 1106/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2327 - accuracy: 0.9091 - val\_loss: 0.1771 - val\_accuracy: 0.9302

Epoch 1107/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2333 - accuracy: 0.9089 - val\_loss: 0.1787 - val\_accuracy: 0.9299

Epoch 1108/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2342 - accuracy: 0.9084 - val\_loss: 0.1775 - val\_accuracy: 0.9296

Epoch 1109/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2343 - accuracy: 0.9082 - val\_loss: 0.1761 - val\_accuracy: 0.9303

Epoch 1110/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2326 - accuracy: 0.9091 - val\_loss: 0.1802 - val\_accuracy: 0.9296

Epoch 1111/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2329 - accuracy: 0.9089 - val\_loss: 0.1760 - val\_accuracy: 0.9300

Epoch 1112/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2333 - accuracy: 0.9085 - val\_loss: 0.1767 - val\_accuracy: 0.9294

Epoch 1113/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2329 - accuracy: 0.9088 - val\_loss: 0.1767 - val\_accuracy: 0.9300

Epoch 1114/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2330 - accuracy: 0.9088 - val\_loss: 0.1745 - val\_accuracy: 0.9310

Epoch 1115/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2329 - accuracy: 0.9090 - val\_loss: 0.1760 - val\_accuracy: 0.9304

Epoch 1116/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2327 - accuracy: 0.9090 - val\_loss: 0.1764 - val\_accuracy: 0.9301

Epoch 1117/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2324 - accuracy: 0.9089 - val\_loss: 0.1770 - val\_accuracy: 0.9298

Epoch 1118/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2327 - accuracy: 0.9091 - val\_loss: 0.1760 - val\_accuracy: 0.9298

Epoch 1119/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2323 - accuracy: 0.9094 - val\_loss: 0.1757 - val\_accuracy: 0.9304

Epoch 1120/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2323 - accuracy: 0.9094 - val\_loss: 0.1784 - val\_accuracy: 0.9294

Epoch 1121/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2336 - accuracy: 0.9085 - val\_loss: 0.1755 - val\_accuracy: 0.9307

Epoch 1122/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2329 - accuracy: 0.9088 - val\_loss: 0.1762 - val\_accuracy: 0.9301

Epoch 1123/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2329 - accuracy: 0.9088 - val\_loss: 0.1776 - val\_accuracy: 0.9300

Epoch 1124/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2329 - accuracy: 0.9089 - val\_loss: 0.1760 - val\_accuracy: 0.9297

Epoch 1125/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2336 - accuracy: 0.9087 - val\_loss: 0.1758 - val\_accuracy: 0.9302

Epoch 1126/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2327 - accuracy: 0.9091 - val\_loss: 0.1755 - val\_accuracy: 0.9305

Epoch 1127/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2338 - accuracy: 0.9086 - val\_loss: 0.1763 - val\_accuracy: 0.9302

Epoch 1128/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2329 - accuracy: 0.9090 - val\_loss: 0.1764 - val\_accuracy: 0.9301

Epoch 1129/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2323 - accuracy: 0.9092 - val\_loss: 0.1771 - val\_accuracy: 0.9296

Epoch 1130/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2327 - accuracy: 0.9090 - val\_loss: 0.1755 - val\_accuracy: 0.9298

Epoch 1131/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2331 - accuracy: 0.9087 - val\_loss: 0.1757 - val\_accuracy: 0.9305

Epoch 1132/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2321 - accuracy: 0.9090 - val\_loss: 0.1756 - val\_accuracy: 0.9300

Epoch 1133/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2328 - accuracy: 0.9090 - val\_loss: 0.1760 - val\_accuracy: 0.9303

Epoch 1134/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2324 - accuracy: 0.9089 - val\_loss: 0.1764 - val\_accuracy: 0.9306

Epoch 1135/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2315 - accuracy: 0.9092 - val\_loss: 0.1756 - val\_accuracy: 0.9299

Epoch 1136/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2326 - accuracy: 0.9091 - val\_loss: 0.1761 - val\_accuracy: 0.9299

Epoch 1137/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2322 - accuracy: 0.9091 - val\_loss: 0.1766 - val\_accuracy: 0.9305

Epoch 1138/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2328 - accuracy: 0.9090 - val\_loss: 0.1765 - val\_accuracy: 0.9303

Epoch 1139/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2327 - accuracy: 0.9089 - val\_loss: 0.1769 - val\_accuracy: 0.9299

Epoch 1140/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2333 - accuracy: 0.9087 - val\_loss: 0.1765 - val\_accuracy: 0.9307

Epoch 1141/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2319 - accuracy: 0.9094 - val\_loss: 0.1757 - val\_accuracy: 0.9300

Epoch 1142/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2322 - accuracy: 0.9094 - val\_loss: 0.1772 - val\_accuracy: 0.9301

Epoch 1143/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2324 - accuracy: 0.9092 - val\_loss: 0.1756 - val\_accuracy: 0.9301

Epoch 1144/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2329 - accuracy: 0.9090 - val\_loss: 0.1754 - val\_accuracy: 0.9306

Epoch 1145/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2327 - accuracy: 0.9091 - val\_loss: 0.1753 - val\_accuracy: 0.9303

Epoch 1146/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2322 - accuracy: 0.9092 - val\_loss: 0.1762 - val\_accuracy: 0.9303

Epoch 1147/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2321 - accuracy: 0.9093 - val\_loss: 0.1757 - val\_accuracy: 0.9299

Epoch 1148/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2320 - accuracy: 0.9093 - val\_loss: 0.1763 - val\_accuracy: 0.9303

Epoch 1149/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2319 - accuracy: 0.9090 - val\_loss: 0.1762 - val\_accuracy: 0.9303

Epoch 1150/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2327 - accuracy: 0.9091 - val\_loss: 0.1764 - val\_accuracy: 0.9303

Epoch 1151/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2319 - accuracy: 0.9093 - val\_loss: 0.1764 - val\_accuracy: 0.9302

Epoch 1152/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2322 - accuracy: 0.9091 - val\_loss: 0.1770 - val\_accuracy: 0.9302

Epoch 1153/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2325 - accuracy: 0.9089 - val\_loss: 0.1754 - val\_accuracy: 0.9303

Epoch 1154/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2311 - accuracy: 0.9096 - val\_loss: 0.1757 - val\_accuracy: 0.9301

Epoch 1155/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2323 - accuracy: 0.9091 - val\_loss: 0.1754 - val\_accuracy: 0.9303

Epoch 1156/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2320 - accuracy: 0.9095 - val\_loss: 0.1751 - val\_accuracy: 0.9305

Epoch 1157/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2320 - accuracy: 0.9091 - val\_loss: 0.1758 - val\_accuracy: 0.9299

Epoch 1158/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2314 - accuracy: 0.9093 - val\_loss: 0.1757 - val\_accuracy: 0.9303

Epoch 1159/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2324 - accuracy: 0.9091 - val\_loss: 0.1760 - val\_accuracy: 0.9301

Epoch 1160/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2319 - accuracy: 0.9094 - val\_loss: 0.1763 - val\_accuracy: 0.9301

Epoch 1161/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2333 - accuracy: 0.9088 - val\_loss: 0.1785 - val\_accuracy: 0.9295

Epoch 1162/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2321 - accuracy: 0.9093 - val\_loss: 0.1753 - val\_accuracy: 0.9304

Epoch 1163/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2321 - accuracy: 0.9094 - val\_loss: 0.1757 - val\_accuracy: 0.9299

Epoch 1164/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2329 - accuracy: 0.9092 - val\_loss: 0.1756 - val\_accuracy: 0.9305

Epoch 1165/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2327 - accuracy: 0.9090 - val\_loss: 0.1764 - val\_accuracy: 0.9301

Epoch 1166/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2318 - accuracy: 0.9094 - val\_loss: 0.1762 - val\_accuracy: 0.9301

Epoch 1167/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2319 - accuracy: 0.9091 - val\_loss: 0.1749 - val\_accuracy: 0.9305

Epoch 1168/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2316 - accuracy: 0.9094 - val\_loss: 0.1764 - val\_accuracy: 0.9298

Epoch 1169/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2328 - accuracy: 0.9089 - val\_loss: 0.1753 - val\_accuracy: 0.9304

Epoch 1170/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2321 - accuracy: 0.9092 - val\_loss: 0.1759 - val\_accuracy: 0.9302

Epoch 1171/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2325 - accuracy: 0.9089 - val\_loss: 0.1755 - val\_accuracy: 0.9303

Epoch 1172/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2324 - accuracy: 0.9091 - val\_loss: 0.1762 - val\_accuracy: 0.9299

Epoch 1173/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2330 - accuracy: 0.9090 - val\_loss: 0.1769 - val\_accuracy: 0.9295

Epoch 1174/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2326 - accuracy: 0.9091 - val\_loss: 0.1760 - val\_accuracy: 0.9304

Epoch 1175/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2328 - accuracy: 0.9092 - val\_loss: 0.1763 - val\_accuracy: 0.9304

Epoch 1176/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2330 - accuracy: 0.9089 - val\_loss: 0.1752 - val\_accuracy: 0.9305

Epoch 1177/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2315 - accuracy: 0.9094 - val\_loss: 0.1759 - val\_accuracy: 0.9301

Epoch 1178/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2319 - accuracy: 0.9093 - val\_loss: 0.1774 - val\_accuracy: 0.9292

Epoch 1179/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2325 - accuracy: 0.9090 - val\_loss: 0.1764 - val\_accuracy: 0.9305

Epoch 1180/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2315 - accuracy: 0.9096 - val\_loss: 0.1785 - val\_accuracy: 0.9299

Epoch 1181/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2318 - accuracy: 0.9091 - val\_loss: 0.1767 - val\_accuracy: 0.9296

Epoch 1182/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2324 - accuracy: 0.9089 - val\_loss: 0.1758 - val\_accuracy: 0.9300

Epoch 1183/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2328 - accuracy: 0.9091 - val\_loss: 0.1759 - val\_accuracy: 0.9304

Epoch 1184/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2320 - accuracy: 0.9093 - val\_loss: 0.1758 - val\_accuracy: 0.9305

Epoch 1185/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2311 - accuracy: 0.9097 - val\_loss: 0.1762 - val\_accuracy: 0.9304

Epoch 1186/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2329 - accuracy: 0.9090 - val\_loss: 0.1757 - val\_accuracy: 0.9306

Epoch 1187/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2321 - accuracy: 0.9094 - val\_loss: 0.1756 - val\_accuracy: 0.9303

Epoch 1188/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2314 - accuracy: 0.9094 - val\_loss: 0.1773 - val\_accuracy: 0.9303

Epoch 1189/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2322 - accuracy: 0.9090 - val\_loss: 0.1751 - val\_accuracy: 0.9304

Epoch 1190/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2320 - accuracy: 0.9093 - val\_loss: 0.1769 - val\_accuracy: 0.9301

Epoch 1191/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2320 - accuracy: 0.9090 - val\_loss: 0.1759 - val\_accuracy: 0.9304

Epoch 1192/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2318 - accuracy: 0.9093 - val\_loss: 0.1753 - val\_accuracy: 0.9301

Epoch 1193/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2319 - accuracy: 0.9094 - val\_loss: 0.1761 - val\_accuracy: 0.9304

Epoch 1194/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2324 - accuracy: 0.9093 - val\_loss: 0.1760 - val\_accuracy: 0.9302

Epoch 1195/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2325 - accuracy: 0.9089 - val\_loss: 0.1769 - val\_accuracy: 0.9301

Epoch 1196/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2320 - accuracy: 0.9091 - val\_loss: 0.1759 - val\_accuracy: 0.9305

Epoch 1197/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2317 - accuracy: 0.9094 - val\_loss: 0.1756 - val\_accuracy: 0.9305

Epoch 1198/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2321 - accuracy: 0.9090 - val\_loss: 0.1759 - val\_accuracy: 0.9302

Epoch 1199/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2317 - accuracy: 0.9094 - val\_loss: 0.1762 - val\_accuracy: 0.9303

Epoch 1200/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2323 - accuracy: 0.9093 - val\_loss: 0.1761 - val\_accuracy: 0.9304

Epoch 1201/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2319 - accuracy: 0.9093 - val\_loss: 0.1772 - val\_accuracy: 0.9303

Epoch 1202/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2319 - accuracy: 0.9091 - val\_loss: 0.1759 - val\_accuracy: 0.9308

Epoch 1203/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2315 - accuracy: 0.9096 - val\_loss: 0.1763 - val\_accuracy: 0.9299

Epoch 1204/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2322 - accuracy: 0.9093 - val\_loss: 0.1757 - val\_accuracy: 0.9302

Epoch 1205/1500

76/76 [==============================] - 10s 138ms/step - loss: 0.2320 - accuracy: 0.9093 - val\_loss: 0.1762 - val\_accuracy: 0.9303

Epoch 1206/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2314 - accuracy: 0.9096 - val\_loss: 0.1761 - val\_accuracy: 0.9302

Epoch 1207/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2329 - accuracy: 0.9089 - val\_loss: 0.1772 - val\_accuracy: 0.9300

Epoch 1208/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2332 - accuracy: 0.9088 - val\_loss: 0.1764 - val\_accuracy: 0.9294

Epoch 1209/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2336 - accuracy: 0.9086 - val\_loss: 0.1759 - val\_accuracy: 0.9300

Epoch 1210/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2339 - accuracy: 0.9087 - val\_loss: 0.1761 - val\_accuracy: 0.9302

Epoch 1211/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2326 - accuracy: 0.9089 - val\_loss: 0.1753 - val\_accuracy: 0.9307

Epoch 1212/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2315 - accuracy: 0.9097 - val\_loss: 0.1767 - val\_accuracy: 0.9305

Epoch 1213/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2318 - accuracy: 0.9096 - val\_loss: 0.1750 - val\_accuracy: 0.9303

Epoch 1214/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2323 - accuracy: 0.9091 - val\_loss: 0.1763 - val\_accuracy: 0.9297

Epoch 1215/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2319 - accuracy: 0.9092 - val\_loss: 0.1756 - val\_accuracy: 0.9303

Epoch 1216/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2318 - accuracy: 0.9094 - val\_loss: 0.1763 - val\_accuracy: 0.9300

Epoch 1217/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2324 - accuracy: 0.9092 - val\_loss: 0.1754 - val\_accuracy: 0.9303

Epoch 1218/1500

76/76 [==============================] - 10s 138ms/step - loss: 0.2337 - accuracy: 0.9089 - val\_loss: 0.1770 - val\_accuracy: 0.9299

Epoch 1219/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2335 - accuracy: 0.9088 - val\_loss: 0.1758 - val\_accuracy: 0.9302

Epoch 1220/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2328 - accuracy: 0.9092 - val\_loss: 0.1757 - val\_accuracy: 0.9303

Epoch 1221/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2329 - accuracy: 0.9091 - val\_loss: 0.1753 - val\_accuracy: 0.9305

Epoch 1222/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2320 - accuracy: 0.9093 - val\_loss: 0.1757 - val\_accuracy: 0.9296

Epoch 1223/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2322 - accuracy: 0.9093 - val\_loss: 0.1758 - val\_accuracy: 0.9303

Epoch 1224/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2324 - accuracy: 0.9091 - val\_loss: 0.1751 - val\_accuracy: 0.9305

Epoch 1225/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2312 - accuracy: 0.9096 - val\_loss: 0.1747 - val\_accuracy: 0.9305

Epoch 1226/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2323 - accuracy: 0.9093 - val\_loss: 0.1760 - val\_accuracy: 0.9302

Epoch 1227/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2324 - accuracy: 0.9091 - val\_loss: 0.1757 - val\_accuracy: 0.9301

Epoch 1228/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2326 - accuracy: 0.9091 - val\_loss: 0.1760 - val\_accuracy: 0.9296

Epoch 1229/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2324 - accuracy: 0.9090 - val\_loss: 0.1763 - val\_accuracy: 0.9293

Epoch 1230/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2319 - accuracy: 0.9094 - val\_loss: 0.1767 - val\_accuracy: 0.9299

Epoch 1231/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2307 - accuracy: 0.9099 - val\_loss: 0.1753 - val\_accuracy: 0.9303

Epoch 1232/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2328 - accuracy: 0.9089 - val\_loss: 0.1751 - val\_accuracy: 0.9303

Epoch 1233/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2323 - accuracy: 0.9092 - val\_loss: 0.1772 - val\_accuracy: 0.9301

Epoch 1234/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2318 - accuracy: 0.9093 - val\_loss: 0.1756 - val\_accuracy: 0.9302

Epoch 1235/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2314 - accuracy: 0.9096 - val\_loss: 0.1753 - val\_accuracy: 0.9304

Epoch 1236/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2314 - accuracy: 0.9095 - val\_loss: 0.1751 - val\_accuracy: 0.9304

Epoch 1237/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2313 - accuracy: 0.9096 - val\_loss: 0.1761 - val\_accuracy: 0.9305

Epoch 1238/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2321 - accuracy: 0.9094 - val\_loss: 0.1758 - val\_accuracy: 0.9305

Epoch 1239/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2315 - accuracy: 0.9095 - val\_loss: 0.1762 - val\_accuracy: 0.9304

Epoch 1240/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2318 - accuracy: 0.9093 - val\_loss: 0.1756 - val\_accuracy: 0.9303

Epoch 1241/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2318 - accuracy: 0.9092 - val\_loss: 0.1752 - val\_accuracy: 0.9301

Epoch 1242/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2316 - accuracy: 0.9094 - val\_loss: 0.1749 - val\_accuracy: 0.9305

Epoch 1243/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2311 - accuracy: 0.9096 - val\_loss: 0.1768 - val\_accuracy: 0.9304

Epoch 1244/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2319 - accuracy: 0.9095 - val\_loss: 0.1757 - val\_accuracy: 0.9303

Epoch 1245/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2311 - accuracy: 0.9097 - val\_loss: 0.1765 - val\_accuracy: 0.9307

Epoch 1246/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2318 - accuracy: 0.9095 - val\_loss: 0.1755 - val\_accuracy: 0.9301

Epoch 1247/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2318 - accuracy: 0.9094 - val\_loss: 0.1755 - val\_accuracy: 0.9305

Epoch 1248/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2332 - accuracy: 0.9088 - val\_loss: 0.1749 - val\_accuracy: 0.9305

Epoch 1249/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2313 - accuracy: 0.9094 - val\_loss: 0.1755 - val\_accuracy: 0.9305

Epoch 1250/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2314 - accuracy: 0.9098 - val\_loss: 0.1755 - val\_accuracy: 0.9307

Epoch 1251/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2316 - accuracy: 0.9094 - val\_loss: 0.1747 - val\_accuracy: 0.9307

Epoch 1252/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2314 - accuracy: 0.9097 - val\_loss: 0.1753 - val\_accuracy: 0.9301

Epoch 1253/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2314 - accuracy: 0.9093 - val\_loss: 0.1756 - val\_accuracy: 0.9306

Epoch 1254/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2312 - accuracy: 0.9098 - val\_loss: 0.1760 - val\_accuracy: 0.9304

Epoch 1255/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2322 - accuracy: 0.9094 - val\_loss: 0.1765 - val\_accuracy: 0.9307

Epoch 1256/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2308 - accuracy: 0.9099 - val\_loss: 0.1746 - val\_accuracy: 0.9303

Epoch 1257/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2314 - accuracy: 0.9095 - val\_loss: 0.1764 - val\_accuracy: 0.9304

Epoch 1258/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2305 - accuracy: 0.9099 - val\_loss: 0.1750 - val\_accuracy: 0.9301

Epoch 1259/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2314 - accuracy: 0.9097 - val\_loss: 0.1753 - val\_accuracy: 0.9304

Epoch 1260/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2311 - accuracy: 0.9097 - val\_loss: 0.1765 - val\_accuracy: 0.9292

Epoch 1261/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2309 - accuracy: 0.9097 - val\_loss: 0.1766 - val\_accuracy: 0.9301

Epoch 1262/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2316 - accuracy: 0.9096 - val\_loss: 0.1749 - val\_accuracy: 0.9303

Epoch 1263/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2309 - accuracy: 0.9095 - val\_loss: 0.1755 - val\_accuracy: 0.9299

Epoch 1264/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2310 - accuracy: 0.9096 - val\_loss: 0.1752 - val\_accuracy: 0.9302

Epoch 1265/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2308 - accuracy: 0.9099 - val\_loss: 0.1766 - val\_accuracy: 0.9304

Epoch 1266/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2312 - accuracy: 0.9097 - val\_loss: 0.1762 - val\_accuracy: 0.9304

Epoch 1267/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2308 - accuracy: 0.9097 - val\_loss: 0.1776 - val\_accuracy: 0.9299

Epoch 1268/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2321 - accuracy: 0.9093 - val\_loss: 0.1754 - val\_accuracy: 0.9305

Epoch 1269/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2317 - accuracy: 0.9095 - val\_loss: 0.1753 - val\_accuracy: 0.9306

Epoch 1270/1500

76/76 [==============================] - 11s 139ms/step - loss: 0.2303 - accuracy: 0.9099 - val\_loss: 0.1747 - val\_accuracy: 0.9308

Epoch 1271/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2311 - accuracy: 0.9098 - val\_loss: 0.1749 - val\_accuracy: 0.9304

Epoch 1272/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2316 - accuracy: 0.9092 - val\_loss: 0.1745 - val\_accuracy: 0.9305

Epoch 1273/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2313 - accuracy: 0.9097 - val\_loss: 0.1752 - val\_accuracy: 0.9303

Epoch 1274/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2316 - accuracy: 0.9095 - val\_loss: 0.1743 - val\_accuracy: 0.9311

Epoch 1275/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2310 - accuracy: 0.9095 - val\_loss: 0.1752 - val\_accuracy: 0.9306

Epoch 1276/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2311 - accuracy: 0.9095 - val\_loss: 0.1750 - val\_accuracy: 0.9308

Epoch 1277/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2310 - accuracy: 0.9095 - val\_loss: 0.1761 - val\_accuracy: 0.9305

Epoch 1278/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2305 - accuracy: 0.9100 - val\_loss: 0.1750 - val\_accuracy: 0.9305

Epoch 1279/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2317 - accuracy: 0.9094 - val\_loss: 0.1752 - val\_accuracy: 0.9303

Epoch 1280/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2306 - accuracy: 0.9098 - val\_loss: 0.1759 - val\_accuracy: 0.9291

Epoch 1281/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2306 - accuracy: 0.9099 - val\_loss: 0.1759 - val\_accuracy: 0.9305

Epoch 1282/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2310 - accuracy: 0.9096 - val\_loss: 0.1753 - val\_accuracy: 0.9306

Epoch 1283/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2311 - accuracy: 0.9095 - val\_loss: 0.1761 - val\_accuracy: 0.9298

Epoch 1284/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2309 - accuracy: 0.9097 - val\_loss: 0.1757 - val\_accuracy: 0.9304

Epoch 1285/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2307 - accuracy: 0.9098 - val\_loss: 0.1751 - val\_accuracy: 0.9304

Epoch 1286/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2313 - accuracy: 0.9097 - val\_loss: 0.1753 - val\_accuracy: 0.9301

Epoch 1287/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2315 - accuracy: 0.9096 - val\_loss: 0.1756 - val\_accuracy: 0.9300

Epoch 1288/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2310 - accuracy: 0.9099 - val\_loss: 0.1751 - val\_accuracy: 0.9302

Epoch 1289/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2315 - accuracy: 0.9095 - val\_loss: 0.1753 - val\_accuracy: 0.9306

Epoch 1290/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2319 - accuracy: 0.9091 - val\_loss: 0.1762 - val\_accuracy: 0.9299

Epoch 1291/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2309 - accuracy: 0.9096 - val\_loss: 0.1750 - val\_accuracy: 0.9304

Epoch 1292/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2312 - accuracy: 0.9099 - val\_loss: 0.1758 - val\_accuracy: 0.9303

Epoch 1293/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2315 - accuracy: 0.9097 - val\_loss: 0.1745 - val\_accuracy: 0.9304

Epoch 1294/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2320 - accuracy: 0.9094 - val\_loss: 0.1752 - val\_accuracy: 0.9303

Epoch 1295/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2315 - accuracy: 0.9096 - val\_loss: 0.1756 - val\_accuracy: 0.9307

Epoch 1296/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2312 - accuracy: 0.9097 - val\_loss: 0.1753 - val\_accuracy: 0.9304

Epoch 1297/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2310 - accuracy: 0.9099 - val\_loss: 0.1759 - val\_accuracy: 0.9301

Epoch 1298/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2311 - accuracy: 0.9096 - val\_loss: 0.1751 - val\_accuracy: 0.9300

Epoch 1299/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2303 - accuracy: 0.9101 - val\_loss: 0.1756 - val\_accuracy: 0.9301

Epoch 1300/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2307 - accuracy: 0.9098 - val\_loss: 0.1754 - val\_accuracy: 0.9304

Epoch 1301/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2306 - accuracy: 0.9099 - val\_loss: 0.1754 - val\_accuracy: 0.9298

Epoch 1302/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2310 - accuracy: 0.9098 - val\_loss: 0.1741 - val\_accuracy: 0.9306

Epoch 1303/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2311 - accuracy: 0.9097 - val\_loss: 0.1743 - val\_accuracy: 0.9306

Epoch 1304/1500

76/76 [==============================] - 10s 138ms/step - loss: 0.2305 - accuracy: 0.9097 - val\_loss: 0.1746 - val\_accuracy: 0.9307

Epoch 1305/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2305 - accuracy: 0.9099 - val\_loss: 0.1759 - val\_accuracy: 0.9298

Epoch 1306/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2308 - accuracy: 0.9098 - val\_loss: 0.1752 - val\_accuracy: 0.9303

Epoch 1307/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2309 - accuracy: 0.9100 - val\_loss: 0.1746 - val\_accuracy: 0.9306

Epoch 1308/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2304 - accuracy: 0.9100 - val\_loss: 0.1752 - val\_accuracy: 0.9306

Epoch 1309/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2308 - accuracy: 0.9099 - val\_loss: 0.1755 - val\_accuracy: 0.9294

Epoch 1310/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2306 - accuracy: 0.9099 - val\_loss: 0.1760 - val\_accuracy: 0.9305

Epoch 1311/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2311 - accuracy: 0.9098 - val\_loss: 0.1752 - val\_accuracy: 0.9304

Epoch 1312/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2307 - accuracy: 0.9099 - val\_loss: 0.1750 - val\_accuracy: 0.9302

Epoch 1313/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2309 - accuracy: 0.9098 - val\_loss: 0.1762 - val\_accuracy: 0.9291

Epoch 1314/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2309 - accuracy: 0.9098 - val\_loss: 0.1753 - val\_accuracy: 0.9303

Epoch 1315/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2312 - accuracy: 0.9098 - val\_loss: 0.1745 - val\_accuracy: 0.9304

Epoch 1316/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2307 - accuracy: 0.9098 - val\_loss: 0.1754 - val\_accuracy: 0.9306

Epoch 1317/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2296 - accuracy: 0.9104 - val\_loss: 0.1752 - val\_accuracy: 0.9301

Epoch 1318/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2323 - accuracy: 0.9091 - val\_loss: 0.1751 - val\_accuracy: 0.9307

Epoch 1319/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2314 - accuracy: 0.9096 - val\_loss: 0.1744 - val\_accuracy: 0.9308

Epoch 1320/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2306 - accuracy: 0.9096 - val\_loss: 0.1754 - val\_accuracy: 0.9302

Epoch 1321/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2314 - accuracy: 0.9096 - val\_loss: 0.1747 - val\_accuracy: 0.9308

Epoch 1322/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2304 - accuracy: 0.9099 - val\_loss: 0.1751 - val\_accuracy: 0.9301

Epoch 1323/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2314 - accuracy: 0.9098 - val\_loss: 0.1751 - val\_accuracy: 0.9308

Epoch 1324/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2312 - accuracy: 0.9097 - val\_loss: 0.1742 - val\_accuracy: 0.9305

Epoch 1325/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2304 - accuracy: 0.9100 - val\_loss: 0.1760 - val\_accuracy: 0.9304

Epoch 1326/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2314 - accuracy: 0.9094 - val\_loss: 0.1747 - val\_accuracy: 0.9307

Epoch 1327/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2311 - accuracy: 0.9096 - val\_loss: 0.1757 - val\_accuracy: 0.9302

Epoch 1328/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2310 - accuracy: 0.9096 - val\_loss: 0.1746 - val\_accuracy: 0.9304

Epoch 1329/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2305 - accuracy: 0.9095 - val\_loss: 0.1762 - val\_accuracy: 0.9303

Epoch 1330/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2313 - accuracy: 0.9100 - val\_loss: 0.1753 - val\_accuracy: 0.9304

Epoch 1331/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2310 - accuracy: 0.9099 - val\_loss: 0.1756 - val\_accuracy: 0.9303

Epoch 1332/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2305 - accuracy: 0.9099 - val\_loss: 0.1756 - val\_accuracy: 0.9305

Epoch 1333/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2303 - accuracy: 0.9098 - val\_loss: 0.1752 - val\_accuracy: 0.9307

Epoch 1334/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2305 - accuracy: 0.9100 - val\_loss: 0.1740 - val\_accuracy: 0.9313

Epoch 1335/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2299 - accuracy: 0.9101 - val\_loss: 0.1748 - val\_accuracy: 0.9309

Epoch 1336/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2300 - accuracy: 0.9101 - val\_loss: 0.1741 - val\_accuracy: 0.9304

Epoch 1337/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2304 - accuracy: 0.9101 - val\_loss: 0.1749 - val\_accuracy: 0.9307

Epoch 1338/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2309 - accuracy: 0.9098 - val\_loss: 0.1754 - val\_accuracy: 0.9303

Epoch 1339/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2316 - accuracy: 0.9096 - val\_loss: 0.1754 - val\_accuracy: 0.9304

Epoch 1340/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2300 - accuracy: 0.9101 - val\_loss: 0.1754 - val\_accuracy: 0.9304

Epoch 1341/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2303 - accuracy: 0.9099 - val\_loss: 0.1753 - val\_accuracy: 0.9309

Epoch 1342/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2306 - accuracy: 0.9099 - val\_loss: 0.1758 - val\_accuracy: 0.9295

Epoch 1343/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2306 - accuracy: 0.9099 - val\_loss: 0.1753 - val\_accuracy: 0.9303

Epoch 1344/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2318 - accuracy: 0.9097 - val\_loss: 0.1746 - val\_accuracy: 0.9309

Epoch 1345/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2317 - accuracy: 0.9096 - val\_loss: 0.1750 - val\_accuracy: 0.9307

Epoch 1346/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2304 - accuracy: 0.9099 - val\_loss: 0.1749 - val\_accuracy: 0.9307

Epoch 1347/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2305 - accuracy: 0.9099 - val\_loss: 0.1748 - val\_accuracy: 0.9303

Epoch 1348/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2303 - accuracy: 0.9099 - val\_loss: 0.1756 - val\_accuracy: 0.9296

Epoch 1349/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2317 - accuracy: 0.9098 - val\_loss: 0.1749 - val\_accuracy: 0.9307

Epoch 1350/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2313 - accuracy: 0.9098 - val\_loss: 0.1743 - val\_accuracy: 0.9307

Epoch 1351/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2300 - accuracy: 0.9100 - val\_loss: 0.1747 - val\_accuracy: 0.9308

Epoch 1352/1500

76/76 [==============================] - 10s 132ms/step - loss: 0.2303 - accuracy: 0.9101 - val\_loss: 0.1745 - val\_accuracy: 0.9308

Epoch 1353/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2306 - accuracy: 0.9099 - val\_loss: 0.1739 - val\_accuracy: 0.9309

Epoch 1354/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2296 - accuracy: 0.9103 - val\_loss: 0.1747 - val\_accuracy: 0.9308

Epoch 1355/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2295 - accuracy: 0.9102 - val\_loss: 0.1741 - val\_accuracy: 0.9311

Epoch 1356/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2302 - accuracy: 0.9102 - val\_loss: 0.1760 - val\_accuracy: 0.9302

Epoch 1357/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2301 - accuracy: 0.9102 - val\_loss: 0.1750 - val\_accuracy: 0.9307

Epoch 1358/1500

76/76 [==============================] - 10s 131ms/step - loss: 0.2298 - accuracy: 0.9104 - val\_loss: 0.1754 - val\_accuracy: 0.9303

Epoch 1359/1500

34/76 [============>.................] - ETA: 5s - loss: 0.2304 - accuracy: 0.9097

Epoch 1/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2298 - accuracy: 0.9100 - val\_loss: 0.1747 - val\_accuracy: 0.9306

Epoch 2/150

76/76 [==============================] - 11s 139ms/step - loss: 0.2295 - accuracy: 0.9106 - val\_loss: 0.1747 - val\_accuracy: 0.9307

Epoch 3/150

76/76 [==============================] - 10s 136ms/step - loss: 0.2293 - accuracy: 0.9104 - val\_loss: 0.1738 - val\_accuracy: 0.9312

Epoch 4/150

76/76 [==============================] - 10s 133ms/step - loss: 0.2299 - accuracy: 0.9103 - val\_loss: 0.1733 - val\_accuracy: 0.9314

Epoch 5/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2289 - accuracy: 0.9106 - val\_loss: 0.1733 - val\_accuracy: 0.9314

Epoch 6/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2293 - accuracy: 0.9104 - val\_loss: 0.1733 - val\_accuracy: 0.9311

Epoch 7/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2298 - accuracy: 0.9105 - val\_loss: 0.1754 - val\_accuracy: 0.9306

Epoch 8/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2294 - accuracy: 0.9106 - val\_loss: 0.1750 - val\_accuracy: 0.9306

Epoch 9/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2299 - accuracy: 0.9099 - val\_loss: 0.1739 - val\_accuracy: 0.9304

Epoch 10/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2302 - accuracy: 0.9103 - val\_loss: 0.1753 - val\_accuracy: 0.9304

Epoch 11/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2294 - accuracy: 0.9105 - val\_loss: 0.1741 - val\_accuracy: 0.9302

Epoch 12/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2295 - accuracy: 0.9102 - val\_loss: 0.1751 - val\_accuracy: 0.9304

Epoch 13/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2304 - accuracy: 0.9102 - val\_loss: 0.1746 - val\_accuracy: 0.9306

Epoch 14/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2300 - accuracy: 0.9104 - val\_loss: 0.1748 - val\_accuracy: 0.9306

Epoch 15/150

76/76 [==============================] - 10s 138ms/step - loss: 0.2291 - accuracy: 0.9107 - val\_loss: 0.1741 - val\_accuracy: 0.9306

Epoch 16/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2294 - accuracy: 0.9103 - val\_loss: 0.1734 - val\_accuracy: 0.9313

Epoch 17/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2301 - accuracy: 0.9101 - val\_loss: 0.1736 - val\_accuracy: 0.9309

Epoch 18/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2298 - accuracy: 0.9105 - val\_loss: 0.1750 - val\_accuracy: 0.9305

Epoch 19/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2306 - accuracy: 0.9102 - val\_loss: 0.1746 - val\_accuracy: 0.9304

Epoch 20/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2295 - accuracy: 0.9102 - val\_loss: 0.1742 - val\_accuracy: 0.9311

Epoch 21/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2301 - accuracy: 0.9103 - val\_loss: 0.1752 - val\_accuracy: 0.9304

Epoch 22/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2292 - accuracy: 0.9103 - val\_loss: 0.1748 - val\_accuracy: 0.9305

Epoch 23/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2297 - accuracy: 0.9101 - val\_loss: 0.1741 - val\_accuracy: 0.9305

Epoch 24/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2300 - accuracy: 0.9101 - val\_loss: 0.1744 - val\_accuracy: 0.9306

Epoch 25/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2297 - accuracy: 0.9103 - val\_loss: 0.1743 - val\_accuracy: 0.9314

Epoch 26/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2284 - accuracy: 0.9107 - val\_loss: 0.1733 - val\_accuracy: 0.9313

Epoch 27/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2297 - accuracy: 0.9103 - val\_loss: 0.1748 - val\_accuracy: 0.9303

Epoch 28/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2300 - accuracy: 0.9105 - val\_loss: 0.1750 - val\_accuracy: 0.9307

Epoch 29/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2296 - accuracy: 0.9103 - val\_loss: 0.1758 - val\_accuracy: 0.9305

Epoch 30/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2293 - accuracy: 0.9102 - val\_loss: 0.1740 - val\_accuracy: 0.9310

Epoch 31/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2288 - accuracy: 0.9105 - val\_loss: 0.1736 - val\_accuracy: 0.9312

Epoch 32/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2291 - accuracy: 0.9107 - val\_loss: 0.1737 - val\_accuracy: 0.9313

Epoch 33/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2294 - accuracy: 0.9104 - val\_loss: 0.1746 - val\_accuracy: 0.9308

Epoch 34/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2302 - accuracy: 0.9101 - val\_loss: 0.1738 - val\_accuracy: 0.9311

Epoch 35/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2296 - accuracy: 0.9105 - val\_loss: 0.1743 - val\_accuracy: 0.9313

Epoch 36/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2294 - accuracy: 0.9104 - val\_loss: 0.1751 - val\_accuracy: 0.9308

Epoch 37/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2298 - accuracy: 0.9099 - val\_loss: 0.1744 - val\_accuracy: 0.9307

Epoch 38/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2308 - accuracy: 0.9099 - val\_loss: 0.1746 - val\_accuracy: 0.9310

Epoch 39/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2297 - accuracy: 0.9103 - val\_loss: 0.1742 - val\_accuracy: 0.9311

Epoch 40/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2289 - accuracy: 0.9106 - val\_loss: 0.1747 - val\_accuracy: 0.9305

Epoch 41/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2296 - accuracy: 0.9104 - val\_loss: 0.1761 - val\_accuracy: 0.9307

Epoch 42/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2301 - accuracy: 0.9102 - val\_loss: 0.1740 - val\_accuracy: 0.9310

Epoch 43/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2297 - accuracy: 0.9104 - val\_loss: 0.1742 - val\_accuracy: 0.9304

Epoch 44/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2302 - accuracy: 0.9101 - val\_loss: 0.1738 - val\_accuracy: 0.9309

Epoch 45/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2302 - accuracy: 0.9100 - val\_loss: 0.1744 - val\_accuracy: 0.9306

Epoch 46/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2291 - accuracy: 0.9104 - val\_loss: 0.1733 - val\_accuracy: 0.9311

Epoch 47/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2293 - accuracy: 0.9105 - val\_loss: 0.1741 - val\_accuracy: 0.9304

Epoch 48/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2299 - accuracy: 0.9100 - val\_loss: 0.1738 - val\_accuracy: 0.9306

Epoch 49/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2288 - accuracy: 0.9103 - val\_loss: 0.1747 - val\_accuracy: 0.9308

Epoch 50/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2285 - accuracy: 0.9106 - val\_loss: 0.1743 - val\_accuracy: 0.9303

Epoch 51/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2290 - accuracy: 0.9106 - val\_loss: 0.1737 - val\_accuracy: 0.9307

Epoch 52/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2296 - accuracy: 0.9104 - val\_loss: 0.1743 - val\_accuracy: 0.9305

Epoch 53/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2292 - accuracy: 0.9104 - val\_loss: 0.1740 - val\_accuracy: 0.9309

Epoch 54/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2293 - accuracy: 0.9106 - val\_loss: 0.1736 - val\_accuracy: 0.9310

Epoch 55/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2297 - accuracy: 0.9103 - val\_loss: 0.1741 - val\_accuracy: 0.9309

Epoch 56/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2292 - accuracy: 0.9104 - val\_loss: 0.1736 - val\_accuracy: 0.9309

Epoch 57/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2289 - accuracy: 0.9107 - val\_loss: 0.1738 - val\_accuracy: 0.9309

Epoch 58/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2292 - accuracy: 0.9106 - val\_loss: 0.1738 - val\_accuracy: 0.9313

Epoch 59/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2294 - accuracy: 0.9105 - val\_loss: 0.1747 - val\_accuracy: 0.9306

Epoch 60/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2296 - accuracy: 0.9101 - val\_loss: 0.1746 - val\_accuracy: 0.9304

Epoch 61/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2301 - accuracy: 0.9103 - val\_loss: 0.1751 - val\_accuracy: 0.9310

Epoch 62/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2298 - accuracy: 0.9104 - val\_loss: 0.1741 - val\_accuracy: 0.9305

Epoch 63/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2292 - accuracy: 0.9103 - val\_loss: 0.1757 - val\_accuracy: 0.9305

Epoch 64/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2303 - accuracy: 0.9101 - val\_loss: 0.1734 - val\_accuracy: 0.9309

Epoch 65/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2291 - accuracy: 0.9105 - val\_loss: 0.1734 - val\_accuracy: 0.9310

Epoch 66/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2286 - accuracy: 0.9106 - val\_loss: 0.1743 - val\_accuracy: 0.9313

Epoch 67/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2288 - accuracy: 0.9108 - val\_loss: 0.1755 - val\_accuracy: 0.9307

Epoch 68/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2300 - accuracy: 0.9104 - val\_loss: 0.1736 - val\_accuracy: 0.9306

Epoch 69/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2290 - accuracy: 0.9105 - val\_loss: 0.1751 - val\_accuracy: 0.9297

Epoch 70/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2287 - accuracy: 0.9106 - val\_loss: 0.1733 - val\_accuracy: 0.9310

Epoch 71/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2292 - accuracy: 0.9106 - val\_loss: 0.1752 - val\_accuracy: 0.9300

Epoch 72/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2298 - accuracy: 0.9099 - val\_loss: 0.1745 - val\_accuracy: 0.9312

Epoch 73/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2301 - accuracy: 0.9102 - val\_loss: 0.1746 - val\_accuracy: 0.9303

Epoch 74/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2286 - accuracy: 0.9105 - val\_loss: 0.1734 - val\_accuracy: 0.9312

Epoch 75/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2294 - accuracy: 0.9106 - val\_loss: 0.1745 - val\_accuracy: 0.9307

Epoch 76/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2284 - accuracy: 0.9109 - val\_loss: 0.1736 - val\_accuracy: 0.9312

Epoch 77/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2295 - accuracy: 0.9105 - val\_loss: 0.1736 - val\_accuracy: 0.9310

Epoch 78/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2293 - accuracy: 0.9106 - val\_loss: 0.1738 - val\_accuracy: 0.9309

Epoch 79/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2288 - accuracy: 0.9105 - val\_loss: 0.1744 - val\_accuracy: 0.9310

Epoch 80/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2296 - accuracy: 0.9103 - val\_loss: 0.1738 - val\_accuracy: 0.9310

Epoch 81/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2295 - accuracy: 0.9104 - val\_loss: 0.1733 - val\_accuracy: 0.9313

Epoch 82/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2280 - accuracy: 0.9108 - val\_loss: 0.1745 - val\_accuracy: 0.9302

Epoch 83/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2292 - accuracy: 0.9106 - val\_loss: 0.1730 - val\_accuracy: 0.9314

Epoch 84/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2300 - accuracy: 0.9104 - val\_loss: 0.1733 - val\_accuracy: 0.9311

Epoch 85/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2295 - accuracy: 0.9105 - val\_loss: 0.1734 - val\_accuracy: 0.9309

Epoch 86/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2296 - accuracy: 0.9105 - val\_loss: 0.1734 - val\_accuracy: 0.9312

Epoch 87/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2302 - accuracy: 0.9101 - val\_loss: 0.1743 - val\_accuracy: 0.9309

Epoch 88/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2300 - accuracy: 0.9101 - val\_loss: 0.1744 - val\_accuracy: 0.9308

Epoch 89/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2287 - accuracy: 0.9105 - val\_loss: 0.1741 - val\_accuracy: 0.9308

Epoch 90/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2291 - accuracy: 0.9104 - val\_loss: 0.1742 - val\_accuracy: 0.9307

Epoch 91/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2287 - accuracy: 0.9108 - val\_loss: 0.1739 - val\_accuracy: 0.9308

Epoch 92/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2286 - accuracy: 0.9110 - val\_loss: 0.1741 - val\_accuracy: 0.9312

Epoch 93/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2290 - accuracy: 0.9106 - val\_loss: 0.1734 - val\_accuracy: 0.9309

Epoch 94/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2294 - accuracy: 0.9104 - val\_loss: 0.1735 - val\_accuracy: 0.9305

Epoch 95/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2299 - accuracy: 0.9102 - val\_loss: 0.1741 - val\_accuracy: 0.9315

Epoch 96/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2285 - accuracy: 0.9107 - val\_loss: 0.1744 - val\_accuracy: 0.9306

Epoch 97/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2296 - accuracy: 0.9104 - val\_loss: 0.1740 - val\_accuracy: 0.9312

Epoch 98/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2288 - accuracy: 0.9107 - val\_loss: 0.1742 - val\_accuracy: 0.9308

Epoch 99/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2292 - accuracy: 0.9105 - val\_loss: 0.1753 - val\_accuracy: 0.9309

Epoch 100/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2295 - accuracy: 0.9105 - val\_loss: 0.1737 - val\_accuracy: 0.9313

Epoch 101/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2292 - accuracy: 0.9108 - val\_loss: 0.1742 - val\_accuracy: 0.9304

Epoch 102/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2289 - accuracy: 0.9104 - val\_loss: 0.1734 - val\_accuracy: 0.9313

Epoch 103/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2286 - accuracy: 0.9109 - val\_loss: 0.1741 - val\_accuracy: 0.9301

Epoch 104/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2297 - accuracy: 0.9103 - val\_loss: 0.1749 - val\_accuracy: 0.9313

Epoch 105/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2291 - accuracy: 0.9107 - val\_loss: 0.1730 - val\_accuracy: 0.9308

Epoch 106/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2289 - accuracy: 0.9109 - val\_loss: 0.1730 - val\_accuracy: 0.9312

Epoch 107/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2288 - accuracy: 0.9107 - val\_loss: 0.1748 - val\_accuracy: 0.9305

Epoch 108/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2287 - accuracy: 0.9107 - val\_loss: 0.1751 - val\_accuracy: 0.9307

Epoch 109/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2288 - accuracy: 0.9107 - val\_loss: 0.1749 - val\_accuracy: 0.9304

Epoch 110/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2291 - accuracy: 0.9105 - val\_loss: 0.1737 - val\_accuracy: 0.9306

Epoch 111/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2288 - accuracy: 0.9109 - val\_loss: 0.1744 - val\_accuracy: 0.9309

Epoch 112/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2288 - accuracy: 0.9108 - val\_loss: 0.1734 - val\_accuracy: 0.9312

Epoch 113/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2283 - accuracy: 0.9109 - val\_loss: 0.1734 - val\_accuracy: 0.9314

Epoch 114/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2288 - accuracy: 0.9105 - val\_loss: 0.1749 - val\_accuracy: 0.9307

Epoch 115/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2295 - accuracy: 0.9104 - val\_loss: 0.1740 - val\_accuracy: 0.9306

Epoch 116/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2290 - accuracy: 0.9110 - val\_loss: 0.1742 - val\_accuracy: 0.9311

Epoch 117/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2294 - accuracy: 0.9103 - val\_loss: 0.1740 - val\_accuracy: 0.9307

Epoch 118/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2292 - accuracy: 0.9105 - val\_loss: 0.1730 - val\_accuracy: 0.9317

Epoch 119/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2281 - accuracy: 0.9109 - val\_loss: 0.1743 - val\_accuracy: 0.9312

Epoch 120/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2282 - accuracy: 0.9110 - val\_loss: 0.1746 - val\_accuracy: 0.9309

Epoch 121/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2300 - accuracy: 0.9102 - val\_loss: 0.1740 - val\_accuracy: 0.9309

Epoch 122/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2288 - accuracy: 0.9105 - val\_loss: 0.1741 - val\_accuracy: 0.9305

Epoch 123/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2287 - accuracy: 0.9106 - val\_loss: 0.1727 - val\_accuracy: 0.9313

Epoch 124/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2285 - accuracy: 0.9107 - val\_loss: 0.1727 - val\_accuracy: 0.9312

Epoch 125/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2286 - accuracy: 0.9111 - val\_loss: 0.1727 - val\_accuracy: 0.9316

Epoch 126/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2292 - accuracy: 0.9107 - val\_loss: 0.1746 - val\_accuracy: 0.9304

Epoch 127/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2291 - accuracy: 0.9105 - val\_loss: 0.1746 - val\_accuracy: 0.9311

Epoch 128/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2291 - accuracy: 0.9108 - val\_loss: 0.1738 - val\_accuracy: 0.9307

Epoch 129/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2290 - accuracy: 0.9106 - val\_loss: 0.1753 - val\_accuracy: 0.9309

Epoch 130/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2294 - accuracy: 0.9105 - val\_loss: 0.1732 - val\_accuracy: 0.9314

Epoch 131/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2288 - accuracy: 0.9110 - val\_loss: 0.1735 - val\_accuracy: 0.9313

Epoch 132/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2297 - accuracy: 0.9105 - val\_loss: 0.1733 - val\_accuracy: 0.9309

Epoch 133/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2292 - accuracy: 0.9106 - val\_loss: 0.1743 - val\_accuracy: 0.9308

Epoch 134/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2294 - accuracy: 0.9103 - val\_loss: 0.1730 - val\_accuracy: 0.9312

Epoch 135/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2286 - accuracy: 0.9106 - val\_loss: 0.1744 - val\_accuracy: 0.9307

Epoch 136/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2285 - accuracy: 0.9109 - val\_loss: 0.1732 - val\_accuracy: 0.9309

Epoch 137/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2279 - accuracy: 0.9109 - val\_loss: 0.1739 - val\_accuracy: 0.9309

Epoch 138/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2276 - accuracy: 0.9111 - val\_loss: 0.1744 - val\_accuracy: 0.9308

Epoch 139/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2287 - accuracy: 0.9108 - val\_loss: 0.1733 - val\_accuracy: 0.9311

Epoch 140/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2288 - accuracy: 0.9106 - val\_loss: 0.1747 - val\_accuracy: 0.9303

Epoch 141/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2283 - accuracy: 0.9107 - val\_loss: 0.1739 - val\_accuracy: 0.9307

Epoch 142/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2289 - accuracy: 0.9106 - val\_loss: 0.1757 - val\_accuracy: 0.9308

Epoch 143/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2284 - accuracy: 0.9106 - val\_loss: 0.1735 - val\_accuracy: 0.9311

Epoch 144/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2285 - accuracy: 0.9109 - val\_loss: 0.1736 - val\_accuracy: 0.9307

Epoch 145/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2295 - accuracy: 0.9105 - val\_loss: 0.1742 - val\_accuracy: 0.9312

Epoch 146/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2284 - accuracy: 0.9108 - val\_loss: 0.1737 - val\_accuracy: 0.9309

Epoch 147/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2297 - accuracy: 0.9101 - val\_loss: 0.1746 - val\_accuracy: 0.9304

Epoch 148/150

76/76 [==============================] - 10s 132ms/step - loss: 0.2296 - accuracy: 0.9103 - val\_loss: 0.1738 - val\_accuracy: 0.9312

Epoch 149/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2278 - accuracy: 0.9106 - val\_loss: 0.1741 - val\_accuracy: 0.9315

Epoch 150/150

76/76 [==============================] - 10s 131ms/step - loss: 0.2287 - accuracy: 0.9106 - val\_loss: 0.1737 - val\_accuracy: 0.9309