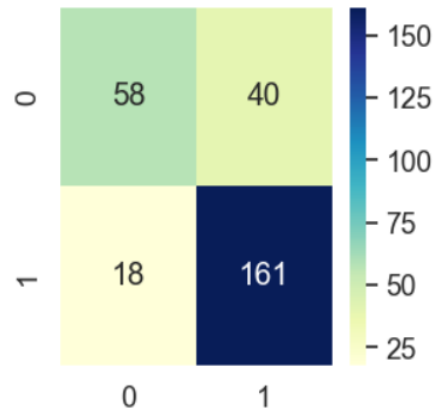


Project Development Phase Model Performance Test

Date	14 Feb 2026
Team ID	LTVIP2026TMIDS47450
Project Name	prosperity prognosticator: machine learning for startup success prediction
Maximum Marks	10 Marks

Model Performance Testing:

Our project Model Performance Testing:

S.No.	Parameter	Values	Screenshot																																										
1.	Trained a Deep Learning CNN model for Startup Success Prediction	<ul style="list-style-type: none">Data Set: Startup Success Prediction dataset (startup characteristics, funding, market and operational features)Image Classification using Random Forest Classifier (best performing model)Train-Test Split: 70 – 30%Evaluation Metrics Used: Accuracy, Precision, Recall, F1-score, Confusion MatrixFinal Test Accuracy:98.58%	<div>Training Accuracy : 1.0 Testing Accuracy : 0.7906137184115524</div> <div><table><thead><tr><th></th><th>0</th><th>1</th><th></th></tr></thead><tbody><tr><th>0</th><td>58</td><td>40</td><td></td></tr><tr><th>1</th><td>18</td><td>161</td><td></td></tr></tbody></table></div> <div><table><thead><tr><th></th><th>precision</th><th>recall</th><th>f1-score</th><th>support</th></tr></thead><tbody><tr><th>0</th><td>0.76</td><td>0.59</td><td>0.67</td><td>98</td></tr><tr><th>1</th><td>0.80</td><td>0.90</td><td>0.85</td><td>179</td></tr><tr><th>accuracy</th><td></td><td></td><td>0.79</td><td>277</td></tr><tr><th>macro avg</th><td>0.78</td><td>0.75</td><td>0.76</td><td>277</td></tr><tr><th>weighted avg</th><td>0.79</td><td>0.79</td><td>0.78</td><td>277</td></tr></tbody></table><div>----- ROC Curves = 0.7456390377380002 Precision-Recall Curves = 0.8827091575581143</div></div>		0	1		0	58	40		1	18	161			precision	recall	f1-score	support	0	0.76	0.59	0.67	98	1	0.80	0.90	0.85	179	accuracy			0.79	277	macro avg	0.78	0.75	0.76	277	weighted avg	0.79	0.79	0.78	277
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