

Problem – Solution Fit Template

Prosperity Prognosticator: ML For Startup Success Prediction

1. Problem Summary

Predicting startup success is a significant challenge in the entrepreneurial ecosystem. Key stakeholders – investors, entrepreneurs, and policymakers – lack an objective, scalable, and data-driven tool to evaluate startup potential. Existing methods are manual, biased, and inaccurate.

2. Solution Summary

The Prosperity Prognosticator is a machine learning-powered web application that predicts startup success based on historical funding data, startup characteristics, and market factors. Built using Python, Scikit-learn, and Flask, it provides a simple web interface for all user types.

3. Problem-Solution Fit Matrix

Problem	Solution Feature	Fit
Investors lack objective evaluation tools	ML model scores startup success probability	Direct
Entrepreneurs don't know key success factors	Feature importance analysis from Random Forest	Direct
Policy makers lack data-driven insights	Aggregated prediction patterns from dataset	Indirect
Manual analysis is time-consuming	Automated prediction under 3 seconds	Direct
Bias in human judgment	Objective, data-trained ML model	Direct
Difficult to compare multiple startups	Predict feature on web form – reusable	Direct

4. Value Proposition

For Investors

- Objective scoring of startup investment opportunities
- Reduces financial risk and improves portfolio returns

For Entrepreneurs

- Actionable insight into startup viability

- Identifies the most critical success factors to focus on

For Policy Makers

- Evidence-based data for policy design
- Identifies high-potential sectors for targeted investment

5. Competitive Advantage

Feature	Traditional Methods	Prosperity Prognosticator
Objectivity	Subjective / biased	Data-driven, unbiased ML model
Speed	Days/weeks of manual review	Prediction in under 3 seconds
Scalability	Limited by human bandwidth	Unlimited via web application
Cost	High consulting fees	Open-source, free to deploy
Accuracy	Variable and inconsistent	80%+ model accuracy