Ideation Phase

Brainstorm & Idea Prioritization
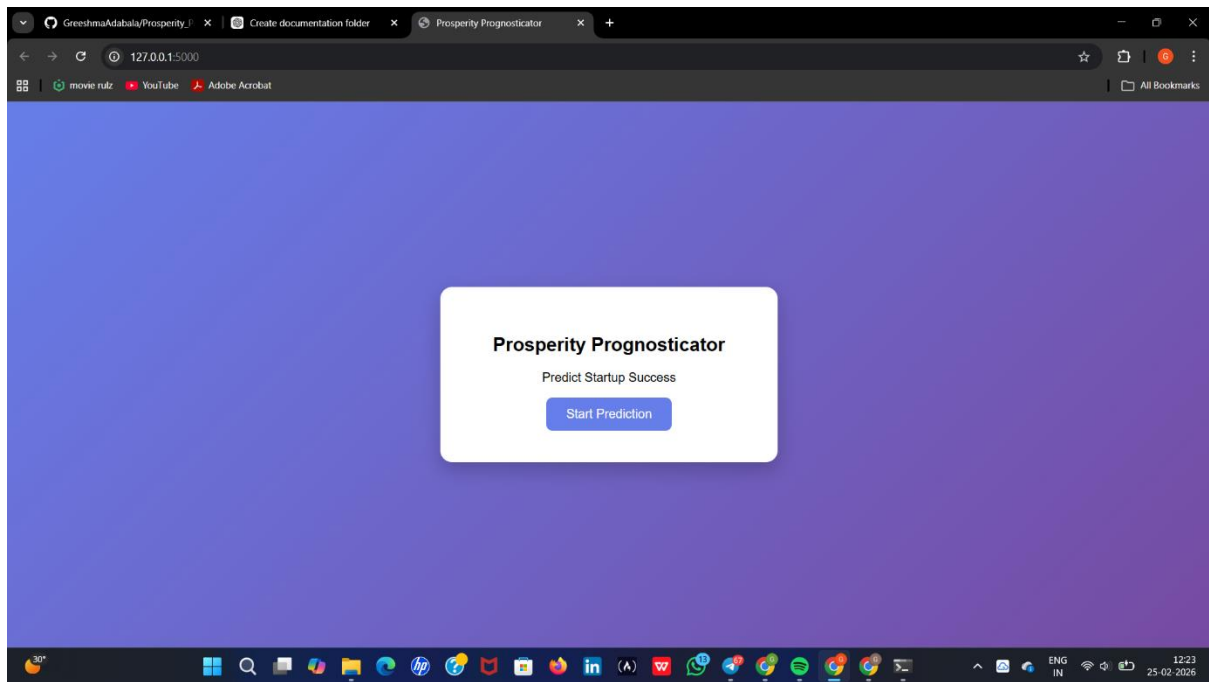
DATE	3 FEBRUARY
TEAM ID	LTVIP2026TMIDS86917
PROJECT NAME	**Prosperity Prognosticator: Machine Learning for Startup Success Prediction**
MAXIMUM MARKS	

BRAIN STORM & IDEA PRIORITIZATION:

In today's fast-paced startup ecosystem, making informed decisions at an early stage is critical. Many founders invest time and money without clear insights into market readiness or growth potential. This project provides an analytical framework that evaluates multiple business factors to estimate startup success, reducing uncertainty and improving strategic planning.

The model leverages Scikit-learn–based machine learning algorithms to process historical startup data and generate predictive outcomes. By integrating this model into a web application, users can easily interact with the system and receive instant feedback, making advanced analytics accessible even to non-technical users.

This project also helps bridge the gap between technical solutions and business needs by offering a user-friendly platform for startup evaluation. It enables users to understand prediction results easily and supports better planning before making major investments. By providing clear insights, the system aims to minimize risks and improve the chances of startup success.

To build Machine learning models you must require the following packages
Sklearn: Scikit-learn is a library in Python that provides many unsupervised and supervised learning algorithms.

NumPy: NumPy is a Python package that stands for 'Numerical Python'. It is the core library for scientific computing, which contains a powerful n-dimensional array object

Pandas: pandas is a fast, powerful, flexible, and easy to use open-source data analysis and manipulation tool, built on top of the Python programming language.

Matplotlib: It provides an object-oriented API for embedding plots into applications using general-purpose GUI toolkits

Flask: Web framework used for building Web applications.

Watch the video below to learn how to install packages.