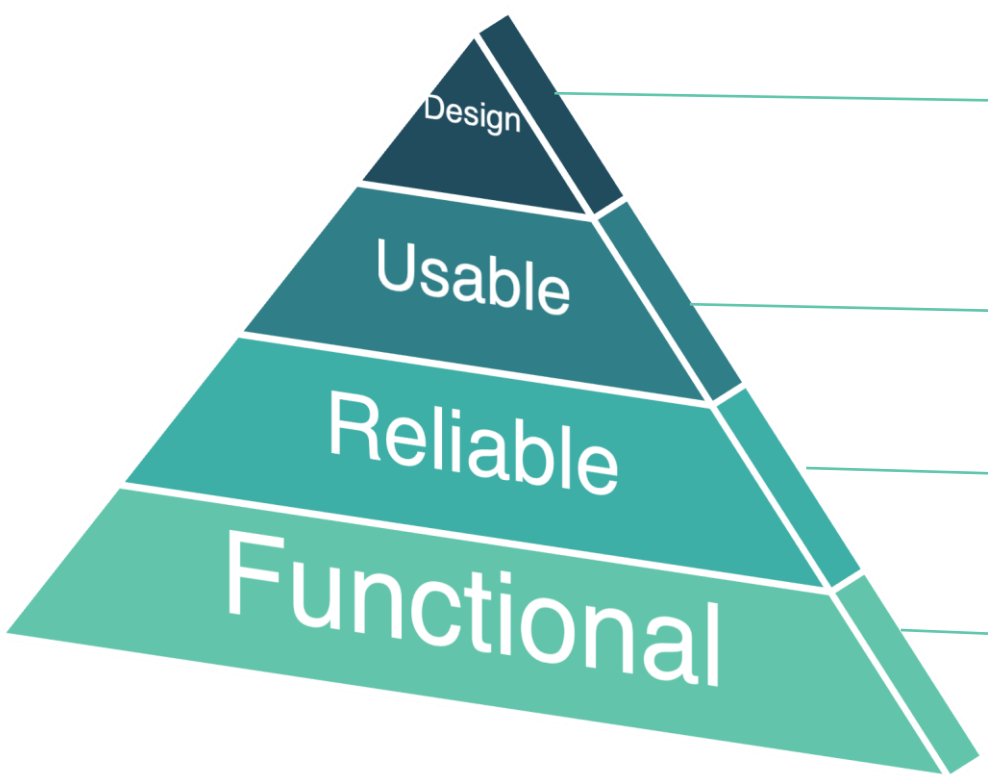
Solution Architecture

Date	2 February 2026
Team ID	LTVIP2026TMIDS74755
Project Name	Rising Waters: A Machine Learning Approach To Flood Prediction
Maximum Marks	2 Marks

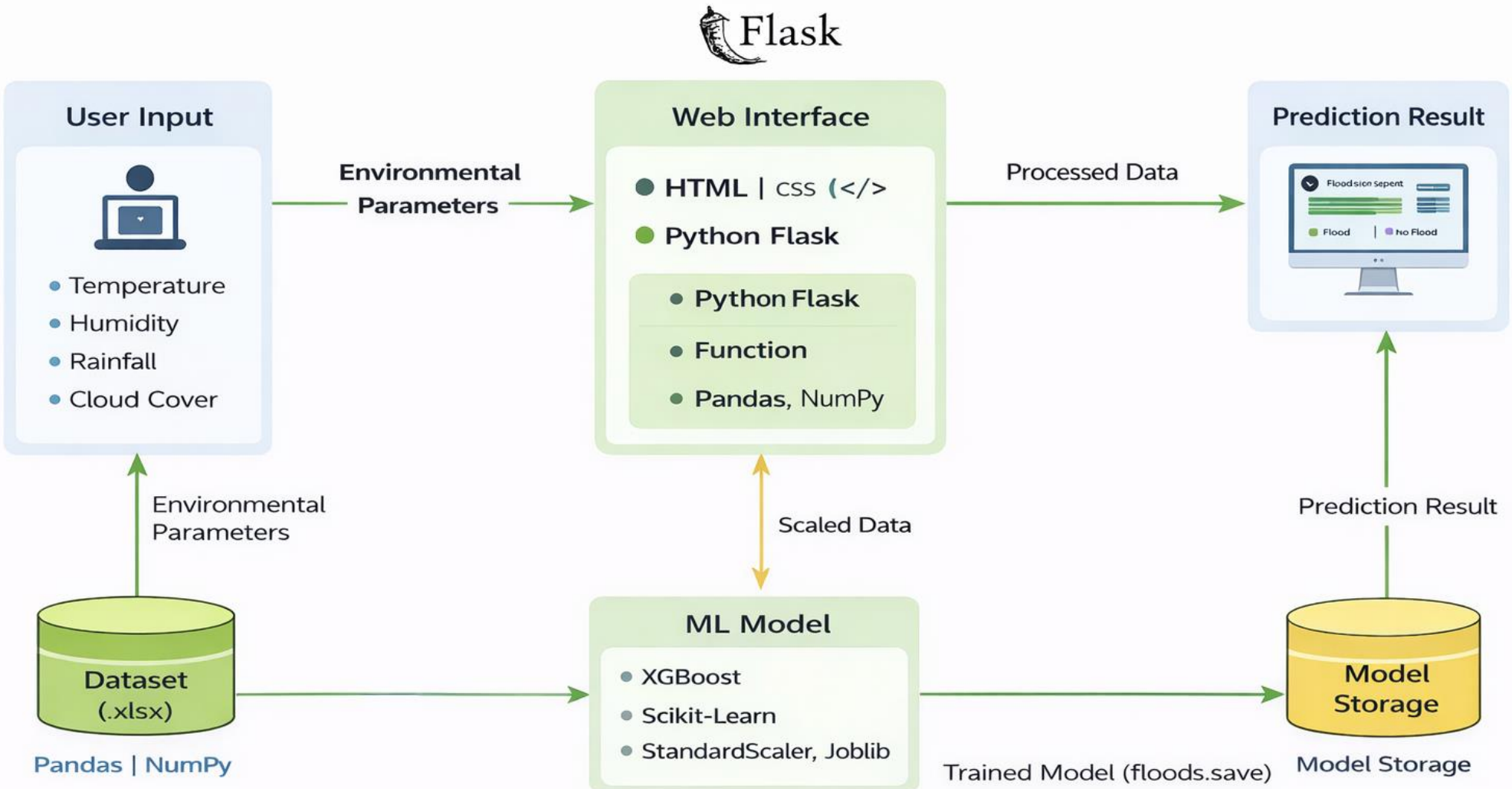
Minimum Viable Architecture:



Iterative design would allows additional environmental features or modules to be added in future.

The predicted output assists disaster management teams and people in flood-prone areas.

Features such as temperature, humidity, cloud cover, and rainfall distribution are selected for datasets and scaled

Classification-based flood prediction is performed for early warning and prior decision-making.

System Architecture of Flood Prediction System