

Project Design Phase

Solution Architecture

Date	15 February 2025
Team ID	LTVIP2026TMIDS42870
Project Name	electric motor temperature prediction using machine learning
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a complex process with many sub-processes that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems (motor temperature monitoring without physical sensors).
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.

Example - Solution Architecture Diagram:

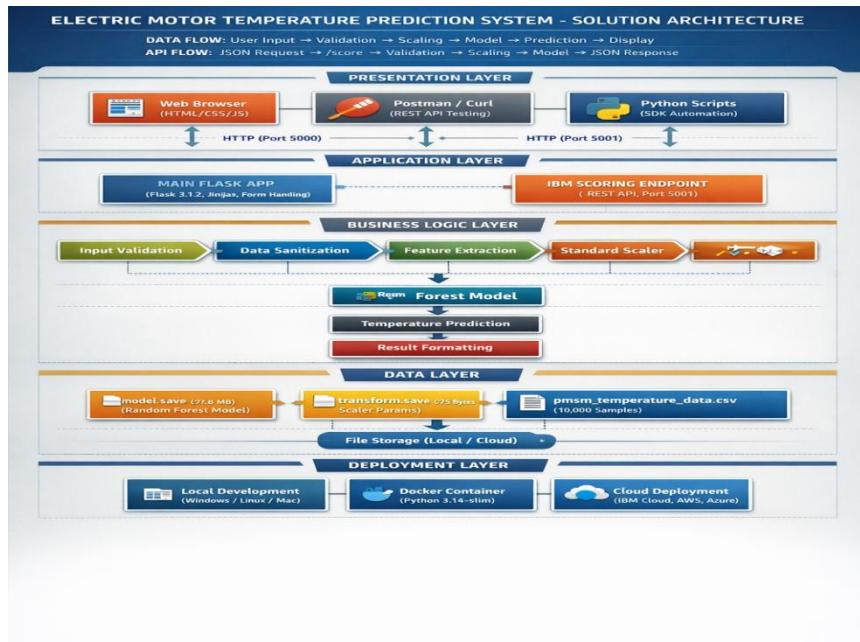


Figure 1: Architecture and data flow of the voice patient diary sample application

[ReferenceAWS Architecture Center](#)

[IBM Cloud Architecture](#)

[Flask Documentation](#)

[AWS Architecture Center](#)