Project Title: Digital Naturalist – Ai Enable Tool For Biodiversity Research

Team ID : PNT2022TMID51703

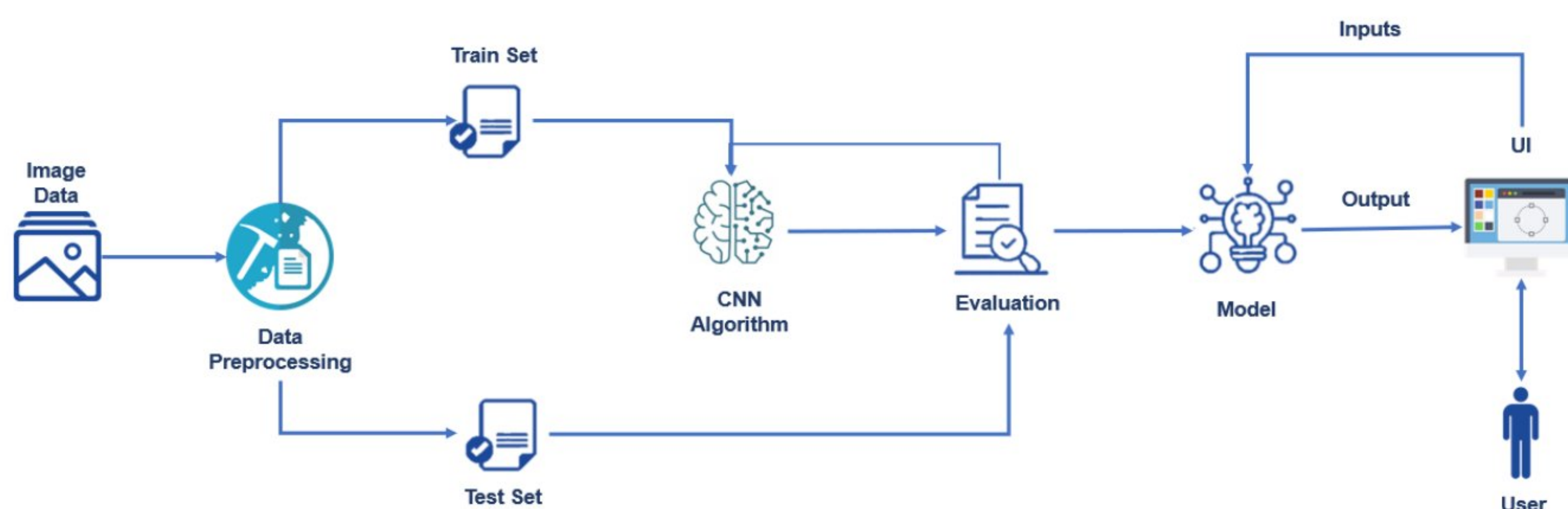**Project Design Phase-I - Solution Architecture**

Solution Architecture:

A Solution architecture is an architectural description of a specific solution. SAs combine guidance from different enterprise architecture viewpoints as well as from the enterprise architecture viewpoints as well as from the enterprise solution architecture. The solution architecture helps ensure that a new system will fit the existing enterprise environment. A good solutions architect looks at the existing environment and analyses what technologies are available and what software product must be developed to provide the best solution for the problem that needs to be solved.

Principles of solution architecture:

⬚ Problem domain definition
⬚ Pattern encapsulation.
⬚ Enterprise architecture integration.
⬚ Solution constraints.
⬚ Managing uncertainty.
⬚ Engagement model.

Solution Architecture Diagram:

References:

1.Patterns of Enterprise Application Architecture-Martin Fowlier .

2.Software Architecture in practice-Len Bass PAUL elements ,Rick Kazman .

3 .Clean Architecture-Robert C.Martin .

4.Building Microservices :Designing Fine-Grained Systems-Sam Newman.

5.Domain-Driven Design: Trackling Complexity in the Heart of Software-Eric Evans.