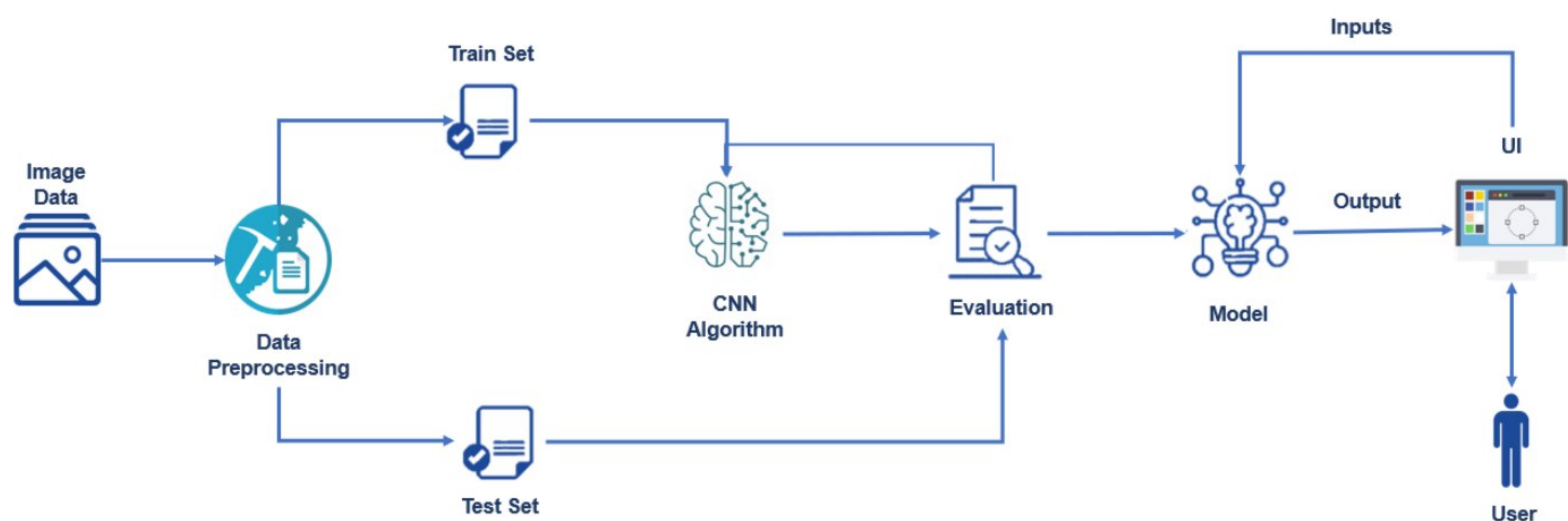# Digital Naturalist – Ai Enabled Tool For Biodiversity Research And Information Gathering

Introduction:

A naturalist is someone who studies the patterns of nature, identifies a different kind of flora and fauna in nature. Being able to identify the flora and fauna around us often leads to an interest in protecting wild spaces, and collecting and sharing information about the species we see on our travels is very useful for conservation groups like NCC.

Field naturalists can only use this web app from anywhere to identify the birds , flowers , mammals and other species they see on their hikes, canoe trips and other excursions.

Technical Architecture:

In this project, we are creating a web application which uses a deep learning model, trained on different species of birds, flowers and mammals.

SL.NO	BOOK NAME	AUTHOR NAME	DESIGN METHODOLOGY
1.	Digital Nature Photography	Jonathan Cox	Digital Nature Photography is the definitive how – to book on photographing nature with a digital camera.
2.	The Digital Photography Book	Scottkelby	Digital Photography is a process that uses an electronic device called a digital camera to capture an image.
3.	Digital Nature And Landscape Photography	Mark Lucock	Landscape photography is one of the last bastions of traditional film, but this is slowly changing, as more and more leading photographers adopt digital technology.
4.	Digital Design Of Nature	Heather Angel	Heather is a versatile wildlife photographer whose images combine scientific accuracy with pictorialappeal.