NorthRift
solutions

Artificial Intelligence

Neural/semantic search AI

A presentation by Northrift Solutions Ltd (NRS)

What is AI.?

It is the simulation of human intelligence by machines. The ability of a digital computer or computer-controlled robot to perform tasks commonly associated with intelligent beings.
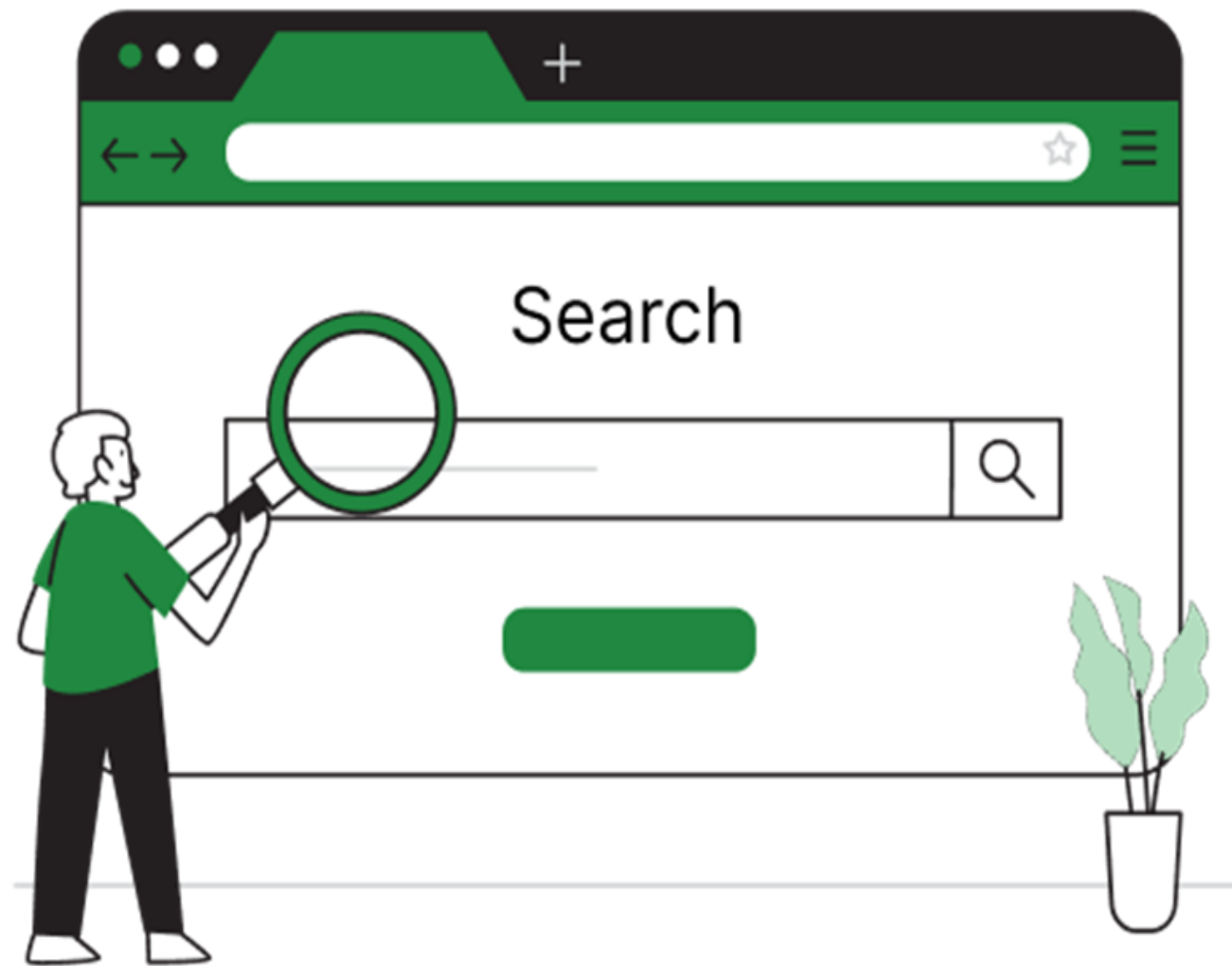
What is Neural/semantic search

It is a tool or method of finding and retrieving data based on the meaning, context, and intent of the user's query, rather than on keywords, syntax, or exact matches. Semantic search and query **use natural language processing,** to understand the semantics of the data and the query, and to provide relevant and accurate results.

Why is this important to you?

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- **Delivers accurate results –**

  Neural search engines use deep learning to enhance the accuracy and personalization of search results

- **Better understanding of natural language –**

  Neural search engines can understand the meaning of natural language, which means that they can return results for queries that are expressed in a more conversational way.

- **Customer Satisfaction:** By delivering more accurate and relevant search results, neural search can improve customer satisfaction. Users are more likely to find what they're looking for, leading to a

better user experience.

- **Enterprise Search:** Neural search is valuable in the enterprise for quickly finding documents, data, or information.

Our Experience and Capacity

We have successfully developed KILIMO CHATBOT.

This is an example of neural/semantic search engine that we have developed to help the farmers with any queries regarding agriculture in Kenya.

This app will make it easier for the farmers to get answers on the different crops, the criteria and conditions of farming the crops, the conditions needed for the land or area of farming and also challenges he or she can face with the crop of choice.

The responses brought out are in context with the farmers' question. https://northrift-solutions.streamlit.app.

Kilimo Chatbot

Welcome to the Kilimo chatbot. I can answer any questions you have about the information on https://kilimo.go.ke/ but I am still an AI so make sure to check the details in the linked documents

How can I help you? ➤

Thank you

Get in Touch

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