

Chat History

Question:

What is Computer Science?

Response by Chatbot:

Computer science is the study of computers and computational systems, focusing on algorithms, data structures, programming, and the design of software and hardware systems.

Question:

What is real-time processing?

Response by Chatbot:

Real-time data processing is essential for autonomous systems as it enables them to make immediate decisions based on input from sensors, cameras, and other devices.

Question:

What is correlation?

Response by Chatbot:

Correlation measures the strength and direction of the relationship between two variables.

Question:

What is Time Complexity?

Response by Chatbot:

Time complexity is a measure of the amount of time an algorithm takes to complete as a function of the size of its input.

Question:

What is a data structure?

Response by Chatbot:

A data structure is used to organize and store data to enable efficient access and modification.

Question:

What is a breadth-first search (BFS) algorithm?

Response by Chatbot:

A search algorithm that is an algorithm for traversing or searching a graph or tree.

Question:

What is DFS?

Response by Chatbot:

DFS is an algorithm for exploring and searching graphs.

Question:

What is ACID in databases?

Response by Chatbot:

A database is an organized collection of data that is stored and accessed electronically, typically managed by a Database Management System (DBMS).

Question:

What is an Application Programming Interface?

Response by Chatbot:

API

Question:

Application Programming Interface

Response by Chatbot:

The API (Application Programming Interface) is a set of protocols and tools that allow different software applications to communicate and interact with each other.