Introduction to Computer Science

What is Computer Science?

Computer Science is the study of computation, automation, and information. It involves both theoretical and practical approaches to understanding and implementing computation.

Key areas of computer science include:

- Algorithms and Data Structures

- Software Engineering

- Computer Systems and Architecture

- Networking and Security

- Artificial Intelligence and Machine Learning

- Databases and Information Retrieval

Computer science is foundational to many modern technologies and is essential in fields like healthcare, finance, transportation, and entertainment.