Data Structures Through C++ (Hardback)

By G. Dileep Kumar

Alpha Science International Ltd, United Kingdom, 2015. Hardback. Condition: New. New edition. Language: English . Brand New Book. DATA STRUCTURES THROUGH C++ discusses concepts with implementations in a way that is easy use for both undergraduate and postgraduate students. The contents help the students design and implement data structures in C++, analyze various data structures in terms of space and time requirements, how to decide between set of data structures for specific use, and test and improve the implementation of each data structure. This book covers the necessary basics required by the reader to learn data structures in Part I. The text guides the students through the development of Abstract Data Types (ADTs) such as stacks, queues, binary search trees, AVL trees, Red-Black trees, splay trees, searching techniques, dictionaries and skip lists, pattern matching algorithms and tries using templates in Part II. KEY FEATURE: * Set of real time examples and hands on exercises * Objective questions at the end of each chapter * Ready-to-use real code for many of the data structures that are being discussed.

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