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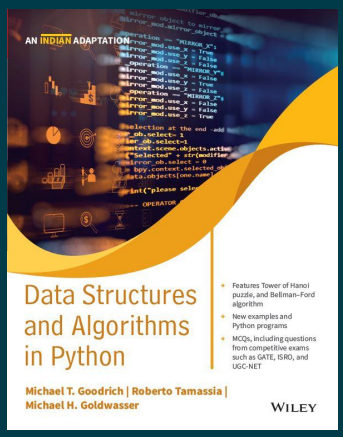

Data Structures and Algorithms in Python (An Indian Adaptation)

By Michael T. Goodrich, Roberto Tamassia, Michael H. Goldwasser
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Description

Data Structures and Algorithms in Python offers a comprehensive, definitive introduction to data structures and algorithms, including their design, analysis, and implementation in Python. Utilizing a consistent object-oriented viewpoint throughout the book, it provides detailed algorithmic strategies for producing efficient realizations of common data structures such as arrays, stacks, queues, linked lists, trees, maps, hash tables, search trees, and graphs. The book also provides an in-depth analysis of algorithmic performance that helps readers to recognize common trade-offs between competing strategies. The book incorporates a host of pedagogical features, including illustrations, code fragments, and end-of-chapter exercises.

About the Author

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Michael T. Goodrich is a Chancellor’s Professor in the Department of Computer Science at University of California, Irvine. Previously, he was a professor at Johns Hopkins University. His research interests include analysis, design, and implementation of algorithms, data security, cloud computing, graph drawing, and computational geometry. He is a Fulbright scholar and a fellow of the American Association for the Advancement of Science (AAAS), Association for Computing Machinery (ACM)

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