



GATE Computer Science

BEST BOOKS

Algorithms and Data Structures

Title/Author	Description
<u>Introduction to Algorithms, C.L.R.S.</u>	Cormen covers entire GATE syllabus (and much more) in Algorithms as well as Data Structures. Language is simple for most part but some mathematics is required to understand the analysis parts. (This book is only for learning algorithms and theory of data structures and there is no sample programs given in it)
<u>Fundamentals of Computer Algorithms, Rajasekaran, Sahni, Horowitz</u>	This book is Mini version of Cormen's book , this cover almost everything with short discussions ,which is written in Cormen with more pages. Use this book along with NPTEL lecture of Professor Naveen Garg . Actually if u see prof Garg's Nptel lectures upon DS you will find slides are taken from this book. Slides are available online in the following link: http://ww3.algorithmdesign.net/handouts/
<u>Design & Analysis of Computer Algorithms, Aho, Hopcroft, Ullman</u>	Another classic book for algorithms.



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DBMS

Title/Author	Description
<i>Riding Horses</i> by Joe Blow	This will be your description. Whatever you want to say.



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Operating System

Title/Author	Description
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Automata Theory

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Probability

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C++ Practice Problems

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C Programming Language

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Data Structure

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Programming Problems

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Computer Organization

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Networking

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Discreet Mathematics

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Graph Theory

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Linear Algebra

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Calculus

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General Aptitude

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Digital Logic

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