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Infrastructure as Code

Dynamic Systems for the Cloud Age

Second Edition

Grayscale Edition

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SPD

Kief Morris

Six years ago, Infrastructure as Code was a new concept. Today, as even banks and other conservative organizations plan to move to the cloud, development teams for companies worldwide are attempting to build large infrastructure codebases. With this practical book, Kief Morris of Thought Works shows you how to effectively use principles, practices, and patterns pioneered by DevOps teams to manage cloud-age infrastructure. Ideal for system administrators, infrastructure engineers, software developers, team leads, and architects, this updated edition demonstrates how you can exploit cloud and automation technology to make changes easily, safely, quickly, and responsibly. You'll learn to define everything as code and apply software design and engineering practices to build...

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Nature-Inspired Optimization Algorithms with Java

A Look at Optimization Techniques

Shashank Jain

apress®

Gain insight into the world of nature-inspired optimization techniques and algorithms. This book will prepare you to apply different nature-inspired optimization techniques to solve problems using Java. You'll start with an introduction to nature's hidden algorithms and find the approximate solutions to optimization problems. You'll then see how living creatures such as fish and birds can perform computations to solve specific optimization tasks. This book also covers various nature-inspired algorithms by reviewing code examples for each one followed by crisp and clear explanations of the algorithm using Java code. You'll examine each algorithm's use in specific industry scenarios such as fleet scheduling in supply chain management and shop floor management in industrial...

PHILOSOPHY OF MIND

An Introduction

TIM BAYNE

Developments in the philosophy of mind over the last 20 years have dramatically changed the nature of the subject. In this major new introduction, Tim Bayne presents an outstanding overview of many of the key topics, problems, and debates, taking account not only of changes in the philosophy of mind itself but also of important developments in the scientific study of the mind. The following topics are discussed in depth. What distinguishes a physicalist conception of the mind? Behaviorism, identity theory, functionalism, and eliminative as accounts of the mental. The nature of perception, including the issue of perceptual transparency, the admissible contents of perception, and the question of unconscious perception. The nature of thought, including the language of thought hypothesis...

'Fascinating, thought-provoking, vulnerable and generous'
CATHY RENTZENBRINK

Coward

Why We Get Anxious & What We Can Do About It

Tim Clare

'Rigorous, sceptical and jolly'
THE TIMES

'The best book I've ever read on anxiety'
EMMA GANNON

After a decade of living with panic attacks and anxiety, Tim Clare made a promise to himself he would try everything he could to get better, every method and medicine. His year of treatments took him from anti-depressants to hypnosis, running to extreme diets, ice baths to fecal transplants. At the end of it, he discovers what helps him and what doesn't, and what might help others. Most of all, he comes to rethink anxiety and encourages all of us to do the same. Tim Clare has suffered from extreme anxiety and panic attacks for a decade. At their worst, his attacks would see him curled on the floor, screaming at his wife for help. This was something the couple just got used to and were able to manage until they became parents. With the arrival of Tim's daughter came a new wave of extreme anxiety...

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SPEAK UP

How to ask for what you want, talk about what matters and make yourself heard

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How to ask for what you want, talk about what matters, and make yourself heard. Conversations are part of everyday life but can be challenging. Are you starting in further education or choosing a new career path? Do you have trouble starting conversations? Do you lack confidence and feel like you have nothing important to add? Do you miss out on expressing yourself and connecting with others? Do you struggle to ask the right questions? When you have work appraisals or interviews do you just hope that you will make the best impression? If you answered YES, this book will help you to change how you approach conversations with friends, family, and people in authority, for good! The five-step speak model described in this book can help you change how you approach conversations. You'll be…

MY SUBCONSCIOUSLY FEMINIST FATHER

YASHIIKA SINGLA

My Subconsciously Feminist Father imagines a world where parents, especially fathers, yearn for and attempt to raise feminist sons. Yashika Singla writes about how she and her two siblings a sister and brother were accidentally raised as feminists by her very ignorant-in-the-matter father, simply because he believed in the concept of fairness and, together with her mother, made an honest attempt to raise their three children equally. Recounting examples from her childhood and young adulthood, Yashika shows how even the smallest actions undertaken by parents can impact the world they create for their children. She discusses how the feminist ideals she unthinkingly absorbed as a child ultimately came to the fore in her adult relationships and gave her the confidence to stay true to herself. Part memoir and...

END TIMES

### Elites, Counter-Elites and the Path of Political Disintegration

PETER TURCHIN

Peter Turchin, one of the most interesting thinkers today, has infused the study of history with insights from other fields for over a quarter of a century. End Times is the culmination of his work to understand what causes political communities to cohere and to fall apart. The lessons of 10,000 years of world history are clear, Turchin argues: when the equilibrium between ruling elites and the majority tips too far in favor of the elites, political instability is all but inevitable. Before the industrial era, the imbalance between labour and capital, signaled by growing economic inequality, was usually caused by excessive population growth. For the past 250 or so years, it has been laissez-faire government, technological innovation, globalization and immigration that have tended to disrupt the...

Shalini Talwar

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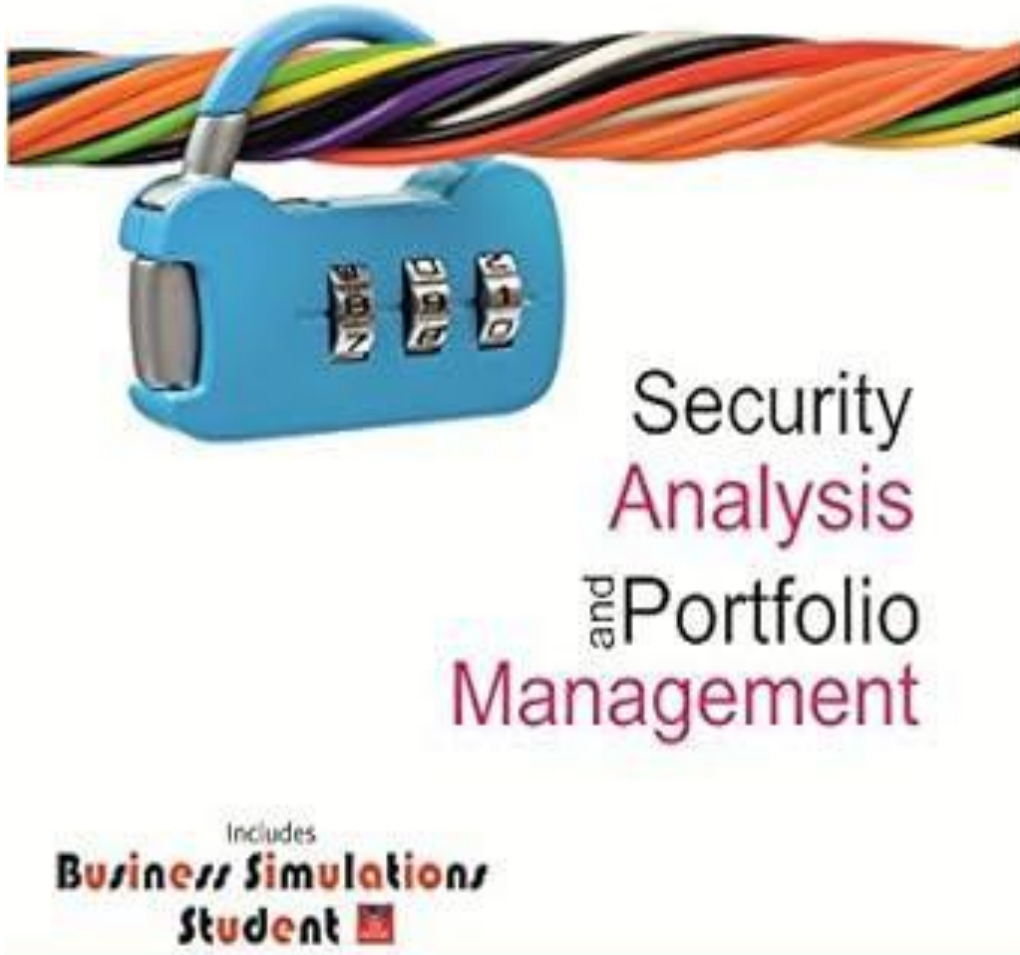
Mastering Security Analysis and Portfolio Management: A Comprehensive Guide to Constructing Optimal Investment Portfolios. Learn the skills to analyze bonds and equities, mitigate risk, and generate superior returns. Suitable for finance students, market practitioners, and individuals seeking to grow their wealth through strategic investment. This book provides clear explanations and practical tools to understand and apply security analysis and portfolio management techniques. Optimal mix of theoretical concepts and practical applications. Emphasis on Indian markets and Indian examples. Illustrative numerical examples within text. Extensive spreadsheet applications are illustrated lucidly. Emphasis has been laid on portfolio construction through the use of MS Excel applications and...
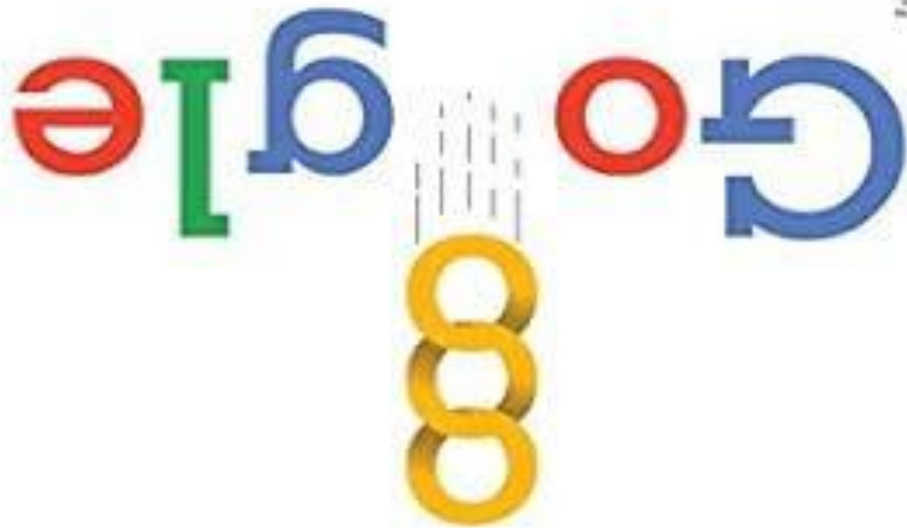
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**Call No   : 338.4760 GIL-G**

The fall of Big Data and the rise of the Blockchain Economy George Gilder the peerless visionary of technology and culture explains why Silicon Valley is suffering a nervous breakdown and what to expect as the post-google age dawns. The age of Google, built on big data and machine intelligence, has been an awesome era. But it is coming to an end. Google's astonishing ability to search and sort attracts the entire world to its search engine and countless other goodies videos, maps, email, Calendars, etc. Everything it offers is free, or so it seems. Instead of paying directly, users submit to advertising. The system of Aggregate and advertising workshops a while if you control an empire of data centers, but a market without prices strangles entrepreneurship and turns the Internet into...

AMS / MAA | TEXTBOOKS

VOL 13

Lie Groups
A Problem-Oriented Introduction via Matrix Groups

Harriet Pollatsek

Universities Press

Lie group G exp   Lie algebra $L(G)$

log

MAA PRESS

An Imprint of the AMERICAN MATHEMATICAL SOCIETY
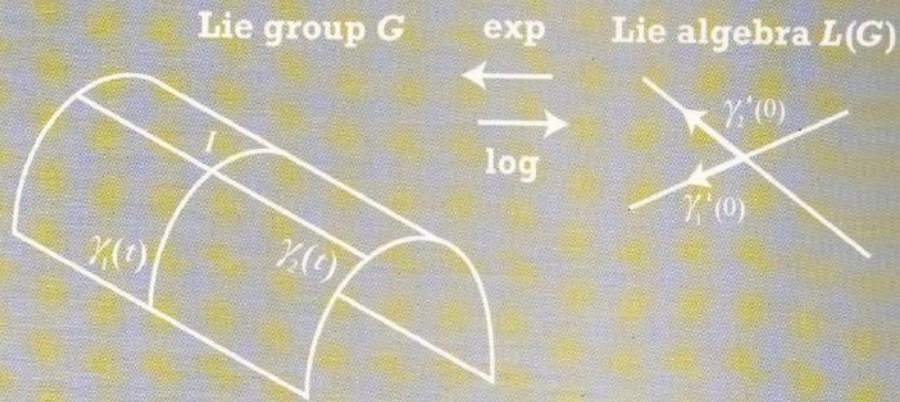
This textbook is a complete introduction to Lie groups for undergraduate students. The only prerequisites are multi-variable calculus and linear algebra. The emphasis is placed on the algebraic ideas, with just enough analysis to define the tangent space and the differential and to make sense of the exponential map. This textbook works on the principle that students learn best when they are actively engaged. To this end nearly 200 problems are included in the text, ranging from the routine to the challenging level. Every chapter has a section called Putting the pieces together in which all definitions and results are collected for reference and further reading is suggested. An asterisk on a result number means its proof is not obtainable using the elementary methods in this book, With few exceptions...

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DATA SCIENCE

A First Introduction

TIFFANY TIMBERS
TREVOR CAMPBELL
MELISSA LEE

CRC Press
Taylor & Francis Group

A CHAPMAN & HALL BOOK

Data Science A First Introduction focuses on using the R programming language in Jupyter notebooks to perform data manipulation and cleaning, create effective visualizations, and extract insights from data using classification, regression, clustering, and inference. The text emphasizes workflows that are clear, reproducible, and shareable, and includes coverage of the basics of version control. All source code is available online, demonstrating the use of good reproducible project workflows. Based on educational research and active learning principles, the book uses a modern approach to R and includes accompanying auto-graded Jupyter worksheets for interactive, self-directed learning. The book will leave readers well-prepared for data science projects. The book is designed for learners from all...

This indispensable study tool helps students cut down learning time and still get a firm grasp of elementary Physics, Chemistry, Earth Science, and astronomy. The outlines included in each Chapter, and the solved problems and practice Test exercises with answers, reinforce the essential points of this broad-spectrum subject. If you don't have a lot of time but want to excel in class, this book helps you. Brush up before tests, find answers fast, study quickly, and more effectively get the big picture without spending hours poring over lengthy textbooks. Schaum's outlines give you the information your teachers expect you to know in a handy and succinct format without overwhelming you with unnecessary details. You get a complete overview of the subject. Plus, you get plenty of practice exercises to…

MADHAV GADGIL

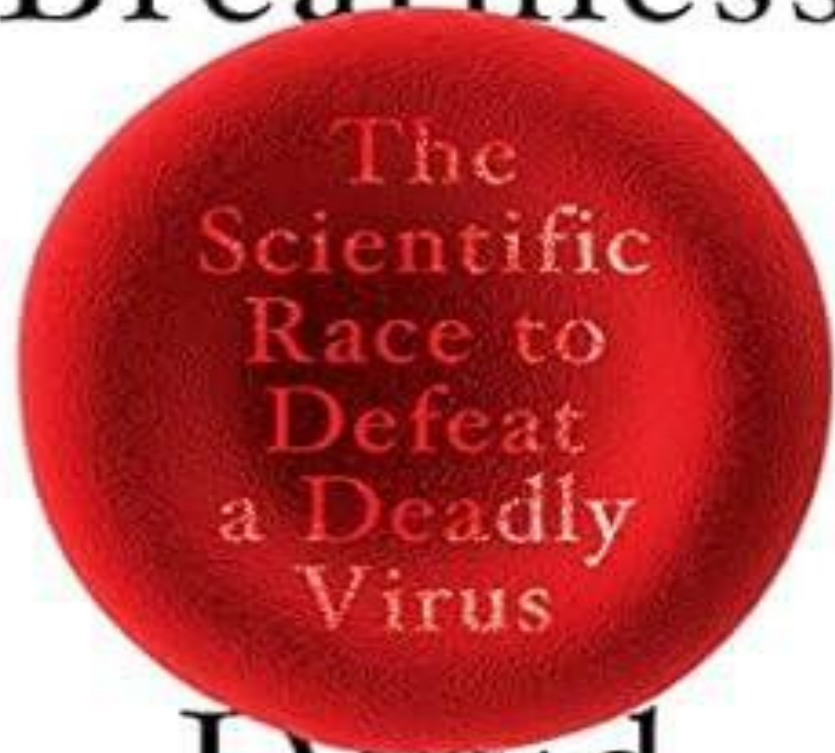# A WALK UP THE HILL

LIVING with PEOPLE AND NATURE
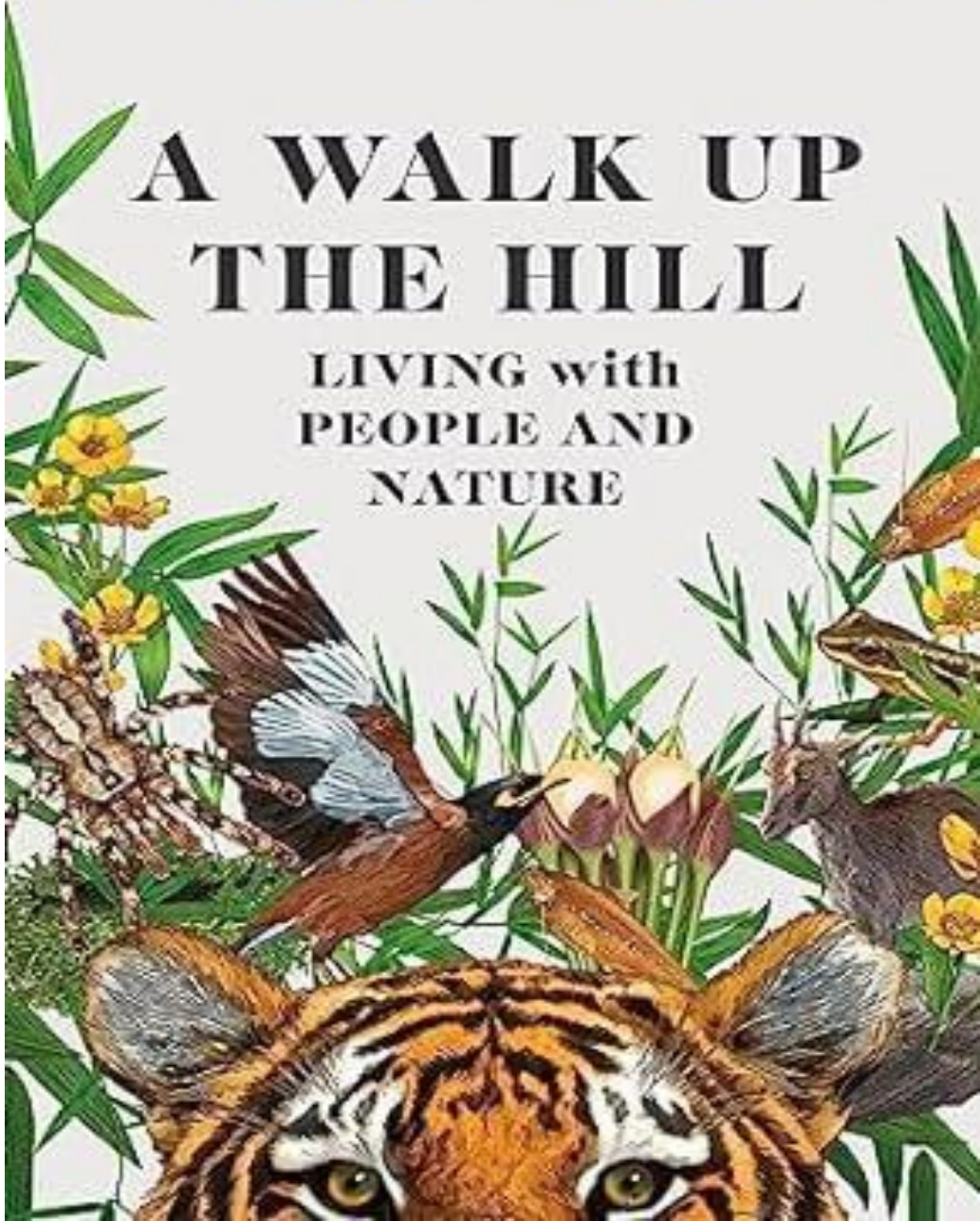
Madhav Gadgil was born in Pune in 1942, just as Salim Ali's superbly illustrated Book of Indian Birds was published. Influenced by his birdwatcher father, he learnt to recognize birds from their pictures even before he could read. He is an unusual combination of a person fascinated by the diversity of the natural world, of the landscapes and the life they support, as well as the diversity of cultures and lifestyles of the people firmly rooted to India's soil. He has dedicated himself to intellectual pursuits ranging over mathematics, natural and social sciences, history and public policy. This book is an account of his life walking up and down the country's hills and dales, watching peacocks dance and elephants prance, living among fisherfolk on the west coast, horticulturists on the Western Ghats, and...

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Breathless

The Scientific Race to Defeat a Deadly Virus

David Quammen

Breathless is the story of the worldwide scientific quest to decipher the coronavirus SARS-CoV-2, trace its source, and make possible the vaccines to fight the COVID-19 pandemic. Here is the story of SARS-CoV-2 and its fierce journey through the human population, as seen by the scientists who study its origin, its ever-changing nature, and its capacity to kill us. David Quammen expertly shows how strange new viruses emerge from animals into humans as we disrupt wild ecosystems, and how those viruses adapt to their human hosts, sometimes causing global catastrophe. He explains why this coronavirus will probably be a forever virus, destined to circulate among humans and bedevil us endlessly. As scientists labor to catch it, comprehend it, and control it, with their high-tech tools and methods, the virus...

This book is an in-depth guide to chronic and neuropathic pain. The issue of chronic and neuropathic pain is very prevalent, yet only a fraction of the symptoms and root causes, as well as potential treatment plans, are properly understood. Additionally, less than half of cases are accurately identified and properly treated. The existing drugs, although classified as very strong, cannot provide lasting relief to chronic and neuropathic pain. Thus, with all the unique features of this condition, this book presents a systematic way of diagnosing and approaching this condition so every practitioner can appropriately treat their patients. In addition to introducing key concepts, like the classification of chronic pain and the challenges patients and practitioners face when dealing with and...

WILEY

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- Complete conversion to SI units
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Mechanics of Materials

SI Version

Timothy A. Philpot | Jeffery S. Thomas
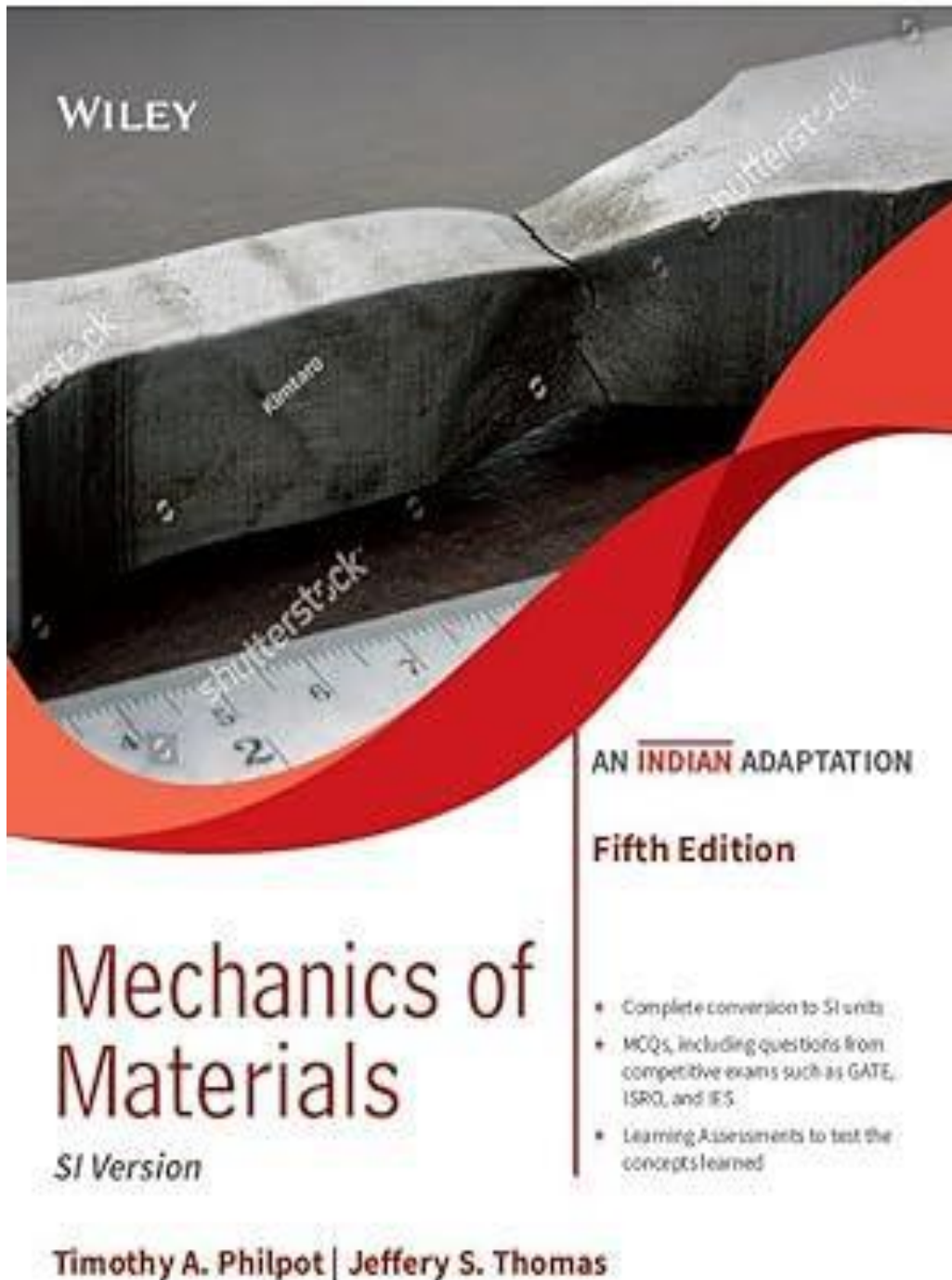
Mechanics of Materials presents the theory and practice of mechanics of materials in a straightforward, student-friendly manner that addresses the learning styles of today's students without sacrificing rigor or depth in the presentation of topics. From basic concepts of stress and strain to more advanced topics like beam deflections and combined loads, this book provides students with everything they need to embark on successful careers in materials and mechanical engineering. Emphasizing critical thinking forms, this text focuses on helping learners develop practical skills, encouraging them to recognize fundamental concepts relevant to specific situations, identify equations needed to solve problems and engage with literature in the field. This edition strengthens the coverage by including methods such as...

FLEXIBLE BATTERIES

Ye Zhang
Lie Wang
Yang Zhao
Huisheng Peng

CRC Press
Taylor & Francis Group

Flexible Batteries highlight the key advances in flexible batteries, a booming new direction in the energy storage field. The authors first introduce lithium-ion batteries, which are currently the most widely used. Flexible aqueous batteries such as aqueous lithium-ion, sodium-ion, and zinc-ion batteries are discussed subsequently due to the safety concerns in organic electrolytes. Since flexible metal-air batteries are recognized as primary choices for the next generation, the authors take lithium-air and aluminum-air batteries as examples to explore their applications in flexible battery construction. They further summarize flexible batteries under the most challenging working conditions such as stretching and integrating flexible batteries with flexible energy harvesting devices, sensors, and...

THIRTEENTH EDITION

Quantitative Methods
for **Business**

David R. Anderson • Dennis J. Sweeney • Thomas A. Williams
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You don't have to be a mathematician to maximize the power of quantitative methods. Written for the current or future business professional, Quantitative Methods for Business, thirteenth edition makes it easy for you to understand how you can most effectively use quantitative methods to make smart, successful decisions. The book's hallmark problem-scenario approach guides you step by step through the application of mathematical concepts and techniques. Memorable real-life examples demonstrate how and when to use the methods found in the book, while instant online access provides you with Excel worksheets. The chapter on simulation includes a more elaborate treatment of uncertainty by using Microsoft Excel to develop spreadsheet simulation models...

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OPERATIONS RESEARCH

Introduction to Models and Methods

Richard J Boucherie
Aleida Braaksma
Henk Tijms

World Scientific

This attractive textbook with its easy-to-follow presentation provides a down-to-earth introduction to operations research for students in a wide range of fields such as engineering, business analytics, mathematics and statistics, computer science, and econometrics. It is the result of many years of teaching and collective feedback from students. The book covers the basic models in both deterministic and stochastic operations research and is a springboard to more specialized texts, either practical or theoretical. The emphasis is on useful models and interpreting the solutions in the context of concrete applications. The text is divided into several parts. The first three chapters deal exclusively with deterministic models, including linear programming with sensitivity analysis, integer...

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THE INTERNATIONAL BESTSELLER

AI, Power and the 21st Century's Greatest Dilemma

THE COMING WAVE

'A fascinating, well-written and important book'
YUVAL NOAH HARARI

MUSTAFA SULEYMAN

co-founder of
DEEPMIND and INFLECTION AI

with
MICHAEL BHASKAR

Soon you will live surrounded by AIs. They will organize your life, operate your business, and run core government services. You will live in a world of DNA printers and quantum computers, engineered pathogens and autonomous weapons, robot assistants and abundant energy. None of us are prepared. As co-founder of the pioneering AI company DeepMind, part of Google, Mustafa Suleyman has been at the centre of this revolution. The coming decade, he argues, will be defined by this wave of powerful, fast-proliferating new technologies. In the Coming Wave, Suleyman shows how these forces will create immense prosperity but also threaten the nation-state, the foundation of global order. As our fragile governments sleepwalk into disaster, we face an existential dilemma...

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Solar Cooling Technologies

Sotirios Karellas
Tryfon C. Roumpedakis
Nikolaos Tzouganatos
Konstantinos Braimakis

Energy Systems: from Design to Management Series

CRC Press
Taylor & Francis Group

Solar Cooling Technologies presents a detailed study of the potential technologies for coupling solar energy and cooling systems. Unifies all the various power-based solar techniques into one book, investigates tri-generation schemes for maximization of cooling efficiency, especially for small-scale applications and offers a direct comparison of all possible technologies of solar cooling. Includes detailed numerical investigations for potential cooling applications. Solar cooling technologies present a detailed study of the potential technologies for coupling solar energy and cooling systems. It starts with the theoretical background on the refrigeration cycles and their thermodynamic analysis followed by a description of different technologies for solar cooling. Each technology is...

Introducing JavaScript Game Development

Build a 2D Game from the Ground Up

Graeme Stuart

Apress®

Learn to build a fully-functional 2D game inspired by the 1979 Atari classic, Asteroids, using just HTML5, CSS and JavaScript. Developing games has never been easier than it is now. New web technology allows even beginner developers to turn their hand to game development. Developed from an undergraduate course module, Introducing JavaScript Game Development teaches each new technology as it is introduced so can be followed by enthusiastic beginners as well as intermediate coders. You will learn how to work with HTML5 and the canvas element, how to understand paths, how to draw to a design and create your spaceship and asteroids. You'll then move on to animating your game, and finally building. You will work step-by-step through the game design process, starting...
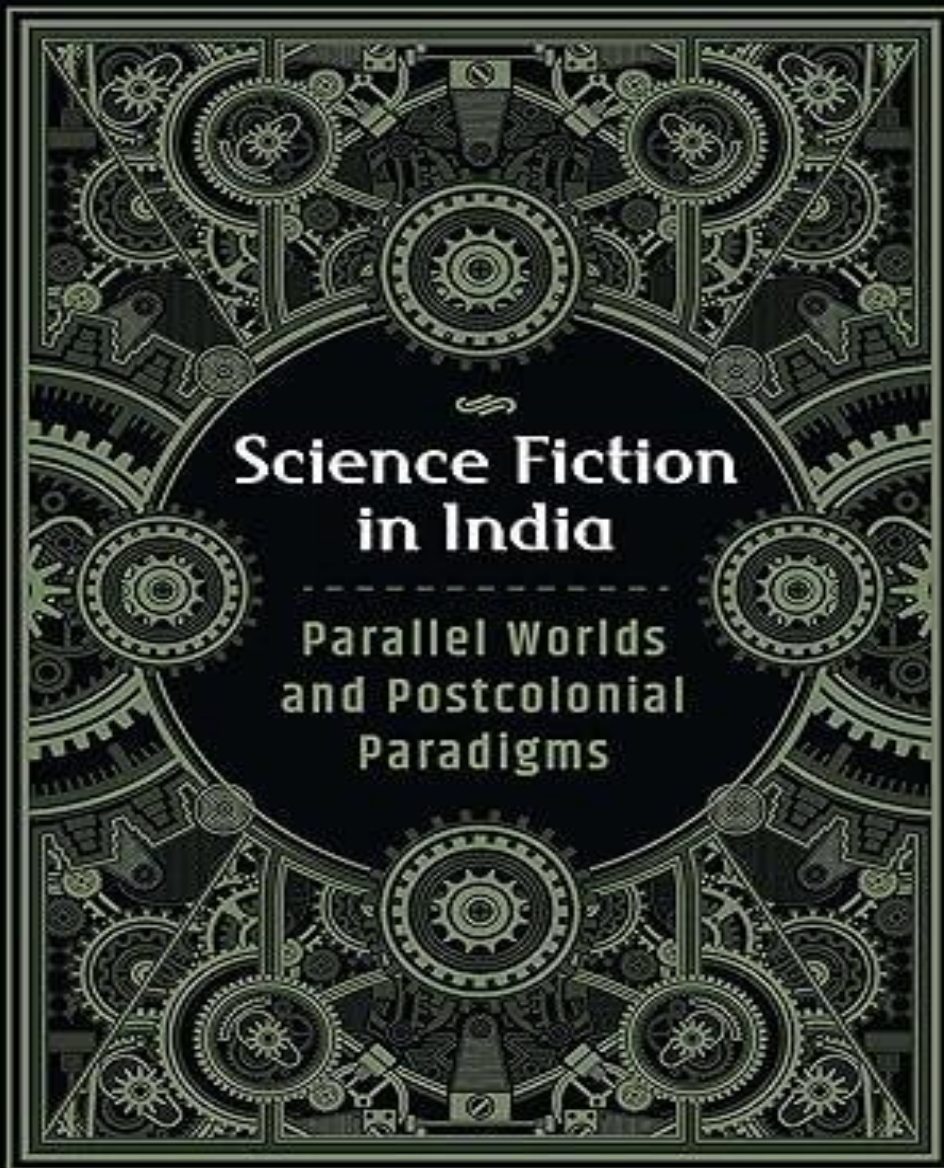
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Science Fiction in India

Parallel Worlds and Postcolonial Paradigms

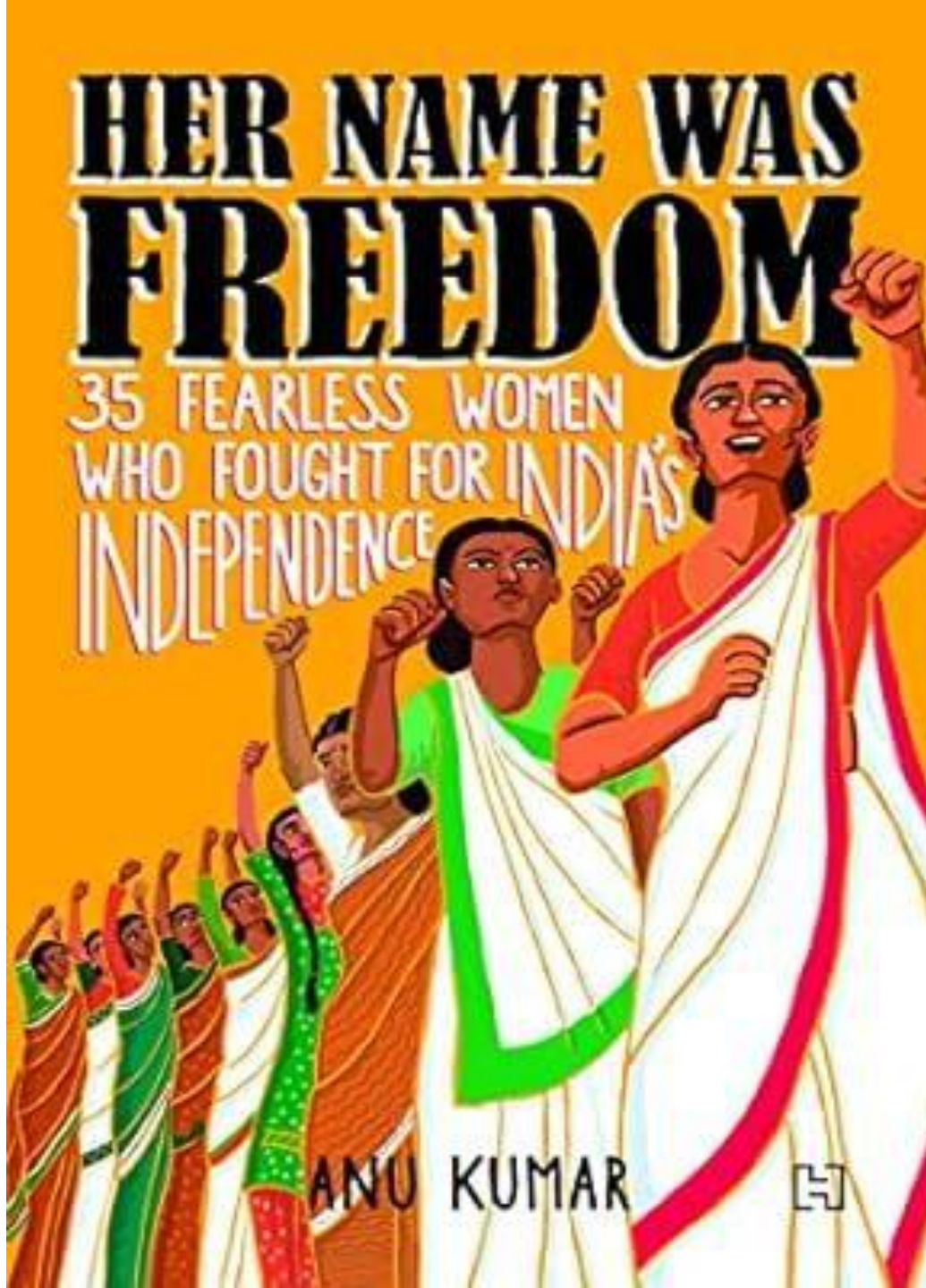Edited by
Shweta Khilnani, Ritwick Bhattacharjee

BLOOMSBURY

Indian Science Fiction has evolved over the years and can be seen making a mark for itself on the global scene. Dalit speculative fiction writer and editor Mimi Mondal is the first SF writer from India to have been nominated for the prestigious Hugo Award. Indian SF addresses themes such as global climate change. Debates around GCC are not just limited to science fiction but also permeate critical discussions on SF. This volume seeks to examine the different ways by which Indian SF narratives construct possible national futures. For this looking forward necessarily germinates from the current positional concerns of the nation. While some work has been done on Indian SF, there is still a perceptible lack of academic rigor invested in the genre, primarily, perhaps, because of not only its relative unpopularity...

HER NAME WAS FREEDOM

35 FEARLESS WOMEN WHO FOUGHT FOR INDIA'S INDEPENDENCE

ANU KUMAR

These extraordinary Indian women, and others like them featured in this book, shared one common goal to stand up against the British and fight for India's freedom from colonial rule. Fearless and feisty, these homemakers and princesses, politicians and poets, doctors and educators, and lawyers and activists marched in protest, endured hunger strikes, rallied supporters, went to jail, and led from the front. From Sarojini Naidu to Matangini Hazra, from Aruna Asaf Ali to Rani Gaidinliu, from Muthulakshmi Reddi to Hansa Mehta, and from Annie Mascarene to Vijaya Lakshmi Pandit, they showed amazing courage in breaking their shackles and facing grave challenges to liberate the country. Bringing together the inspiring life stories of more than 35 remarkable women, Her Name Was Freedom is a...

THE LIFE AND
TIMES OF
BHIMRAO RAMJI
AMBEDKAR

BECOMING Baba Saheb

Birth *to* Mahad (1891-1929)

AAKASH SINGH RATHORE

There are many intellectual biographies of Dr B.R. Ambedkar, but until now none has sought to reveal the personality of the man. They will tell you what he thought or what he wrote, but remain silent about who he was, his inner struggles, and how he felt. They give information about Ambedkar but do not talk about his interior life, his personal growth, or how he came to be the man who left such an indelible mark on modern India's constitutional, political, social, and religious landscapes. The first of an ambitious two-volume biography, Becoming Babasaheb traces Ambedkar's life journey, from his birth in 1891 to the transformative Mahad Satyagraha in 1929. It takes a completely fresh look at Ambedkar's lived experiences and teases out the nature and character of the…

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'Baldacci is the master'
Jeffrey Archer

DAVID BALDACCI

THE NUMBER ONE BESTSELLER

The Edge

FEATURING
The 6:20 Man
FEATURING TRAVIS DEVINE

HE'S CLOSER THAN
YOU THINK...

When CIA operative Jenny Silkwell is murdered in rural Maine, government officials have immediate concerns over national security. Her laptop and phone were full of state secrets that, in the wrong hands, endanger the lives of countless operatives. In need of someone who can solve the murder quickly and retrieve the missing information, the U.S. government knows just the chameleon they can call on. Ex-Army Ranger Travis Devine spent his time in the military preparing to take on any scenario, followed by his short-lived business career chasing shadows in the deepest halls of power, so his analytical mind makes him particularly well-suited for complex, high-stakes tasks. Taking down the world's largest financial conspiracy proved his value, and in comparison, this case looks straightforward, Except...

SHRAVYA BHINDER

Something I Never Told You

## You

BASED ON A TRUE STORY
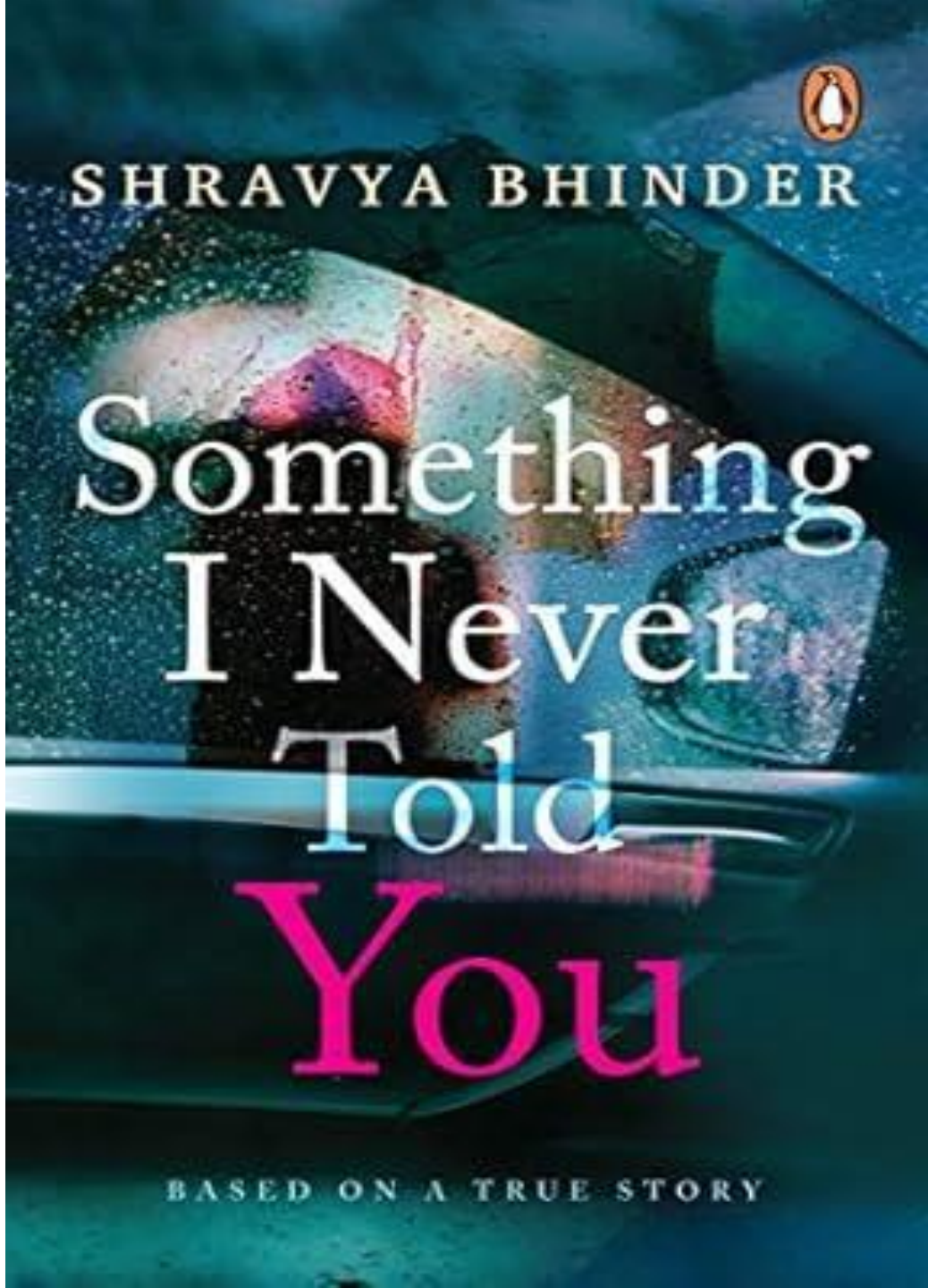
When in love, you tend to take each other for granted, and sometimes, that can cost you a lifetime of togetherness. Ronnie knew that his first crush was way out of his league, and yet he pursued and wooed Adira. Shyly and from a distance in the beginning, and more persuasively later. He couldn't believe it when the beautiful Adira began to reciprocate, falling in love with him for his simplicity and honesty. Slowly, as they get close and comfortable with each other, life takes on another hue. From truly magical it becomes routine. There are fights and then making-up sessions clash of egos and doubts. Things begin to change for the worse. It is too late. Ronnie and Adira will probably never find their forever after. The pace of the story is perfectly apt medium medium-paced. From the very beginning till...

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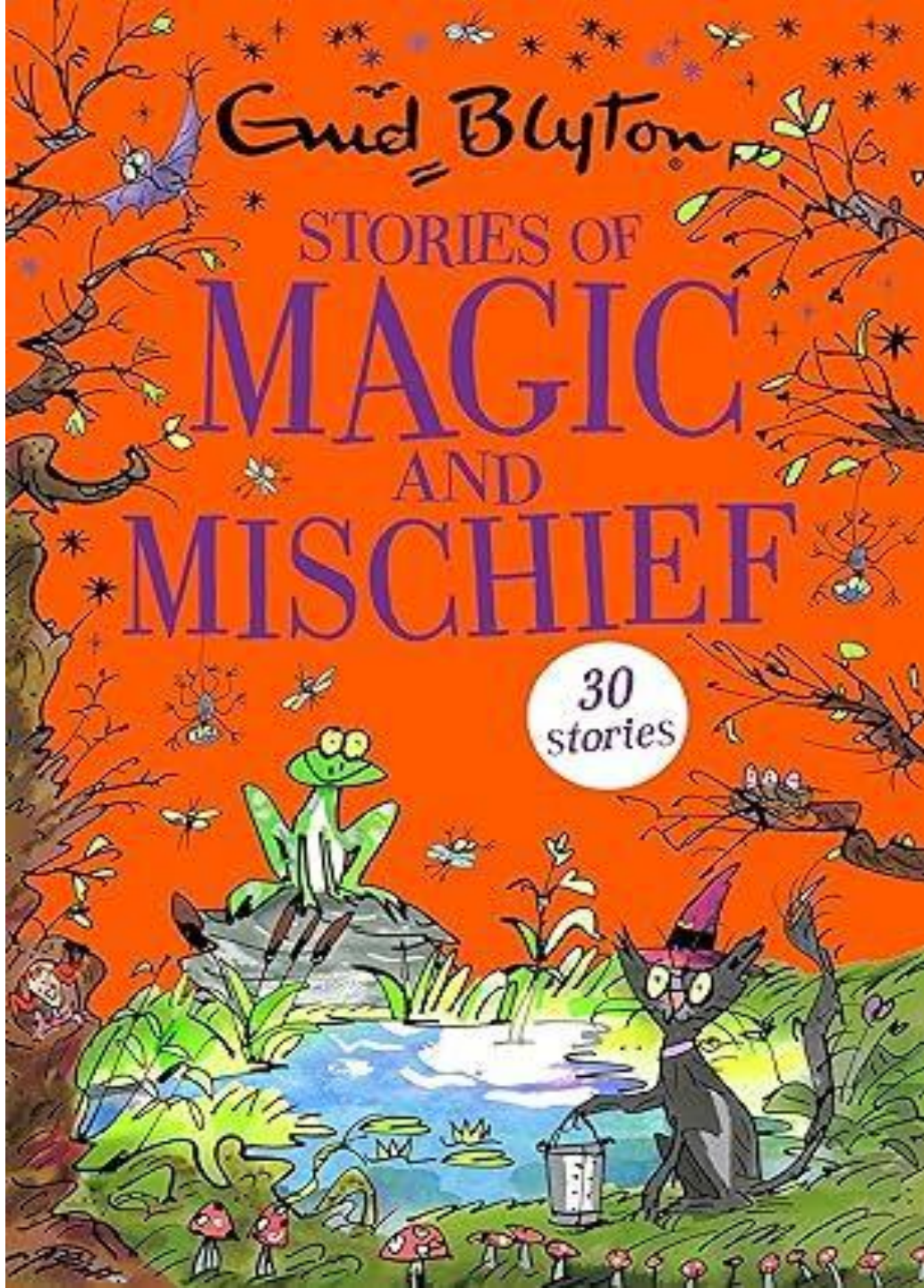
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A selection of 30 magical and mischievous short stories by Britain's most beloved children's author perfect for sharing at Halloween! Witches and pixies abound in this magical selection of thirty short stories, perfect for seasonal reading and sharing. With lots of humor and fantastic characters these classic tales are ideal for younger children being read to and for newly confident readers to read alone. Each story stands alone and is the perfect length for reading at bedtime or in the classroom. Enid Blyton remains one of Britain's favourite children's authors and her bumper short story collections are perfect for introducing her to the latest generation of readers. Read all of Enid Blyton's bestselling short story collections Springtime Stories Summer Stories Holiday Stories Summer Holiday Stories Summertime Stories of Wizards and Witches Stories of...
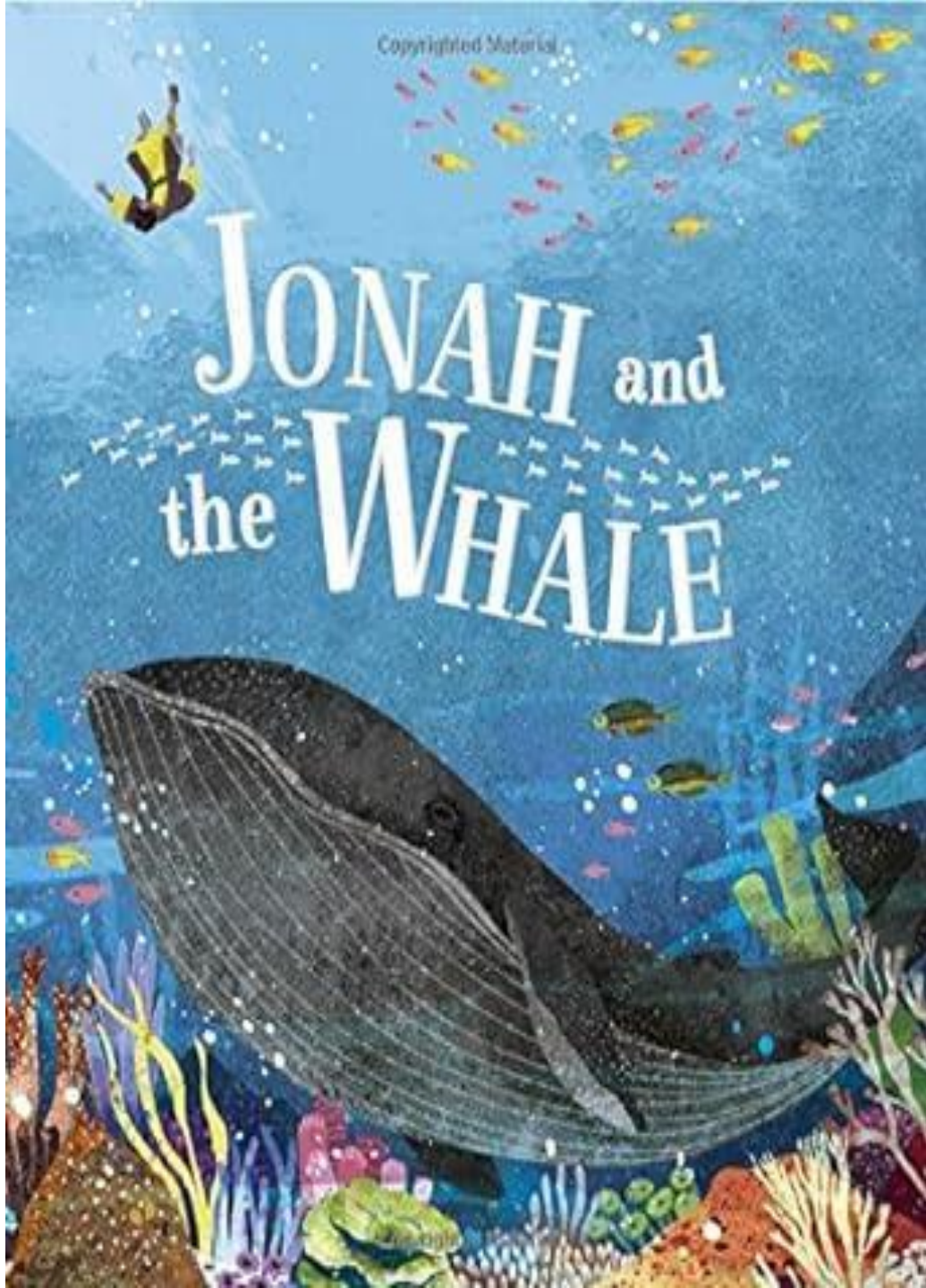
Jonah lived a simple life in a small village and kept to himself. He liked to sit in the sun outside his house and feed the birds, he didn't like to get involved in other people's problems. But, one day, Jonah heard a voice that seemed to come from nowhere. Jonah, son of Amitav, you will be my prophet, it said. Jonah jumped to his feet and looked around, but he could see no one. Then, the voice spoke again, and Jonah knew that it was the voice of God. Go to the city of Nineveh and tell the people that they have been very wicked, God said. Tell them that, if they don't change their ways, I will destroy the city. Jonah shook with fear. Me, he thought. God wants me to leave here and go all the way to Nineveh? Who would listen to an unimportant Israelite like me? He didn't care about the Ninevites, their wickedness...

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Thank you