Harsh Bothra

Set of Two Books : Hacking & Mastering Hacking

Author :	Harsh Bothra
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Product Description

Set of Two Books : Hacking & Mastering Hacking

1. Hacking is not a trick, it's an art.

2. The more you get into it, the

3. more you will gain from it.

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Author

Harsh Bothra

Harsh Bothra is an offensive Cyber Security expert who has been working in this domain for about a decade. He started in this domain during high school and graduated with a computer science and engineering degree. He published the first version of his book, ‘Hacking: Be a Hacker with Ethics,” in 2016 and his second book in 2019. He holds an engineering degree in Computer Science and Engineering from Amity University Rajasthan. He has worked with different organizations in various roles, such as security consultants, senior security engineers, product security engineers, and triage analysts. Harsh specializes in penetration testing and offensive security in domains such as web applications, APIs, Mobile applications, infrastructure, Clod, and Container security. He is deeply interested in writing and has constantly contributed to the security community through various blogs and articles. He is also a seasoned speaker and has given multiple talks at various reputed security conferences. He also ran various learning activities and challenges like Learn365, Security Explained and Security Stories.

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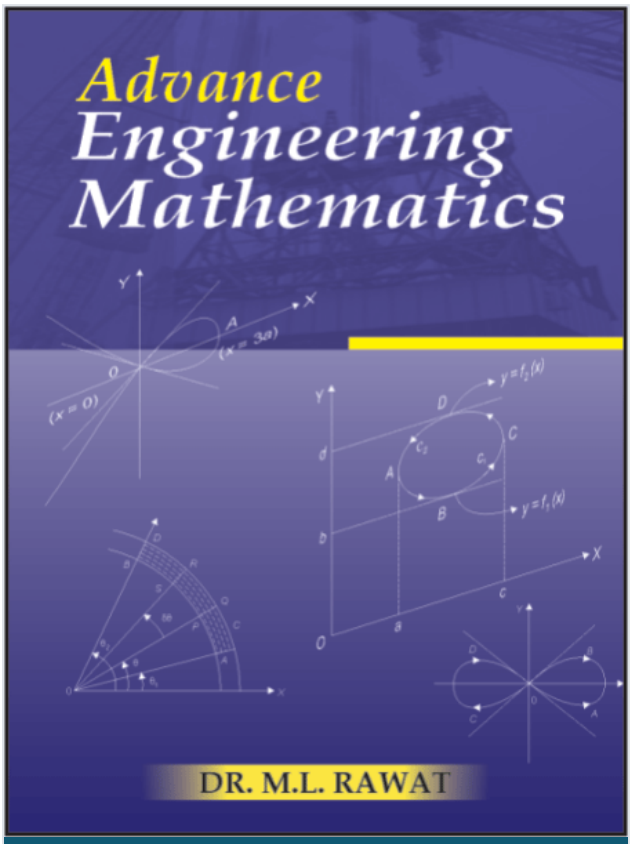

M.L. Rawat

Advance Engineering Mathematics

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Product Description

Solutions of Algebraic Equations and curve-fitting, Linear Algebra: Determinants, Matrices, Determinants and Matrices, Vectors and 3-Dimensional Analysis Geometry, Ordinary Differentiation and Its Applications, Partial Differentiation and Its Applications, Single Integrals with Applications Multiple Integrals with Their Applications, Vector Calculus, Convergence and Divergency of Infinite Series, Fourier Series, Ordinary Differential Equations of Order One, Applications of Differential Equations of First Order, Higher Order Linear Differential Equations with Constant Coefficients, Applications of Linear Differential Equations, Differentiation Equations of Second Order with Variable Coefficients and of Some other types, Special Solution of Differential Equations and Special Functions, Partial Differential Equations, Applications of Partial Differential Equations, Complex Variable, Laplace Transform Fourier Transforms, The Z- Transform, Statistics and Probability, Finite Differences and Interpolation Methods, Difference Equations, Solution of Algebraic Equations by Numerical Methods, Numerical Solutions of Ordinary Differential Equations, Numerical Solution of Partial Differential Equations, Linear Integral Equations, Linear Programming and Transportation and Assignment Problems, Calculus of Variation, tensors, Spherical Trigonometry.

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- Variable Coefficients and of Some other types.
- Special Solution of
- Differential Equations and Special Functions,
- Partial Differential
- Equations,
- Applications of Partial Differential Equations,
- Complex
- Variable,
- Laplace Transform Fourier Transforms,
- The Z- Transform,
- Statistics and Probability,
- Finite Differences and Interpolation
- Methods,
- Difference Equations, Solution of Algebraic Equations by
- Numerical Methods,
- Numerical Solutions of Ordinary Differential
- Equations,
- Numerical Solution of Partial Differential Equations,
- Linear
- Integral Equations,
- Linear Programming and Transportation and Assignment
- Problems,
- Calculus of Variation, tensors,
- Spherical Trigonometry

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Author

M.L. Rawat

Dr. M.L. Rawat, born in poor family did his M.Sc in first division in 1957, and PhD in Hydrodynamics in 1973 from the University of Rajasthan and became a Lecturer of Mathematics at Maharaja's College, Jaipur. During his service , he served at various government colleges in Rajasthan and taught M.Sc classes at Jaipur, Dungar College, Bikaner and Government College, Ajmer. He also served as Degree College Principal for 6 Years and Post Graduate college principal for 5 Years. Currently, he is working as professor of Mathematics at Jaipur Engineering College & Research Centre (JECRC), Jaipur.

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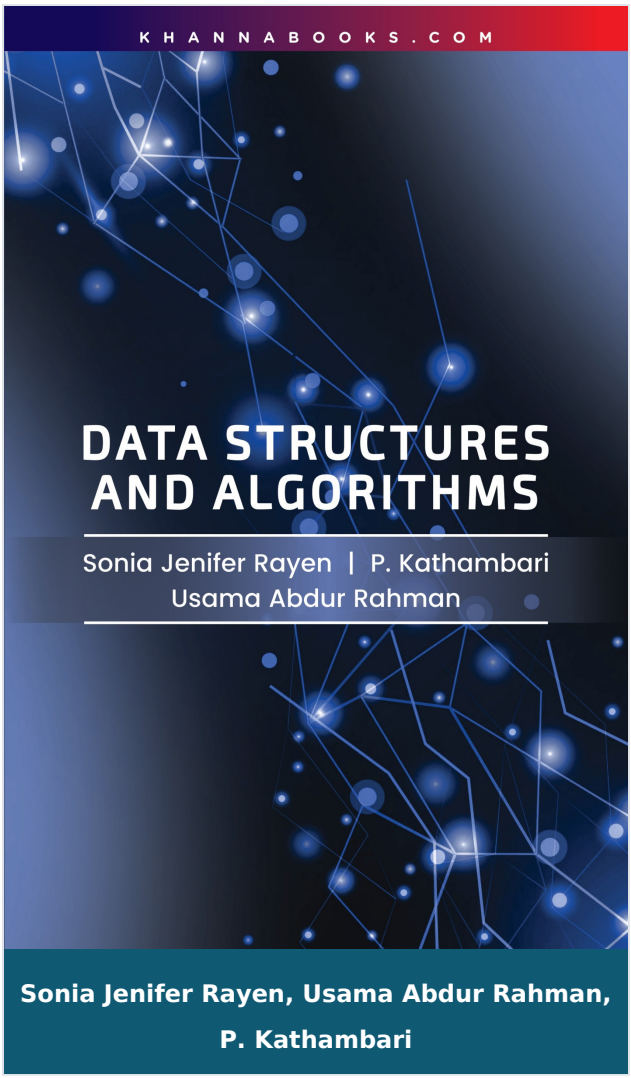

Data Structures and Algorithm

Author :	Sonia Jenifer Rayen, Usama Abdur Rahman, P. Kathambari
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Product Description

In the rapidly evolving landscape of computer science and technology, a foundational mastery of data structures and algorithms is paramount for efficient problem-solving and system design. This essential textbook is specifically designed to offer Computer Science, Information Technology, and allied students, along with educators and aspiring programmers, a broad and easy-to-understand exposition of these key principles.

The book's core purpose is to build a strong, clear, and practical understanding of fundamental concepts, integrating theoretical principles with applied implementation so readers can not only grasp the inherent logic but also implement solutions in real-world computing environments. The text systematically covers traditional structures like Arrays, Linked Lists, Stacks, and Queues, alongside complex non-linear structures such as Trees and Graphs. It then advances to essential algorithm design techniques, including Divide and Conquer, Greedy Algorithms, and Dynamic Programming, and comprehensively covers Searching and Sorting methods.

A key highlight is the dedicated focus on Algorithm Analysis, thoroughly explaining concepts like Time and Space Complexity and Big O notation to ensure readers can develop efficient, optimized solutions. Maintaining an academic yet friendly tone, the book ensures clarity by breaking down complex concepts, supplemented with numerous diagrams, real-life examples, and code snippets, primarily using Python for readability. This text is an indispensable guide for establishing the analytical and coding skills necessary for academic and professional success.

Salient Features:

• Foundational DS: Systematically covers primitive and non-primitive structures like arrays, linked lists, stacks, queues, trees, and graphs, forming the core of computing.

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• Performance Analysis: Explains the crucial concepts of Big O notation, time, and space complexity analysis, enabling the design of optimized and efficient coding solutions.

• Advanced Techniques: Details advanced algorithm design paradigms, including Divide and Conquer, the Greedy approach, Dynamic Programming, and Backtracking for complex problem-solving.

• Practical Coding: Adopts a hands-on approach with numerous code snippets, examples, and diagrams, utilizing Python for clear, readable implementation of concepts.

• Search & Sort Mastery: Provides clear, step-by-step coverage of fundamental operations like linear search, binary search, and various efficient sorting methods (Quick, Merge, Heap).

• Applied Solutions: Explores real-world applications of data structures, such as polynomial manipulation via lists and shortest path problems using Dijkstra's algorithm.

• Conceptual Clarity: Establishes a strong basis by thoroughly defining and differentiating between data, information, and Abstract Data Types (ADT) before implementation.

• Student Focused: Includes chapter-end exercises and problems to reinforce learning, making it an ideal, syllabus-aligned guide for academic and professional preparation.

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Author

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Sonia Jenifer Rayen, Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology

Usama Abdur Rahman

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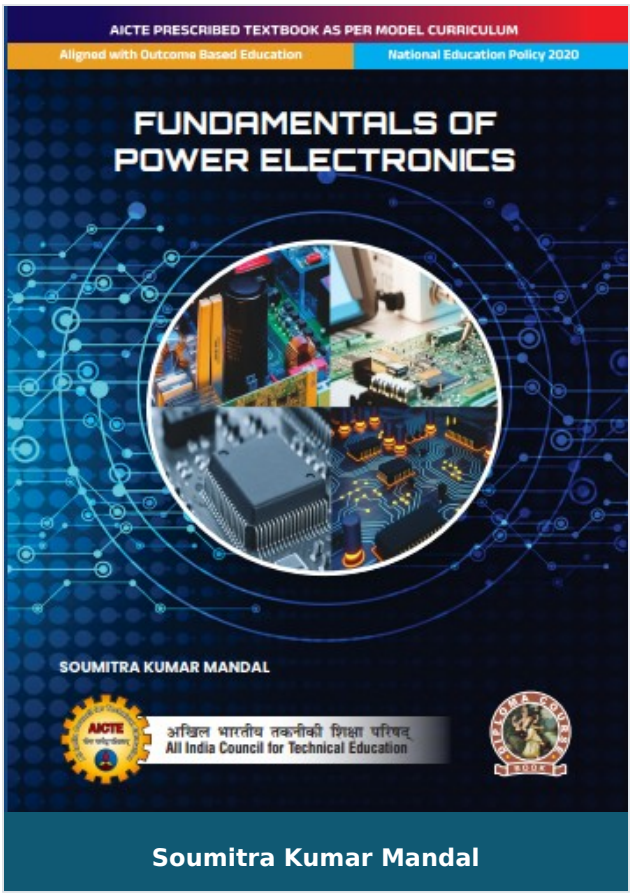

Fundamentals of Power Electronics

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Product Description

Fundamentals of Power Electronics

The Fundamentals of Power Electronics are well established and nowadays all power electronics devices are used in control of ac and Household applications. It is essential for ECE, Industrial Electronics, EEE and Electrical diploma holders. This book is basic for new learners. This book introduces the concept of power electronics, construction, working principle, V-1 characteristics of power semiconductor devices such as power BJT, Power MOSFET, IGBT, Thyristor, SCR, LASCR, SCS, GTO, UJT, PUT, DIAC and TRIAC, SET and Nano-technology, turn-on and turn-off methods of thyristors, different triggering circuits, commutation

Salient features:

- Content of the book aligned with the mapping course outcomes, programs and Units Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- Book provides lots of recent information, interesting facts, QR code for E-resources, QR code for use of ICT, projects, group discussion etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- Apart from essential information a ‘know more’ section is also provided in each unit to extend the learning beyond syllabus.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.

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- Solved and unsolved problems including numerical examples are solved with systematic steps.

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Prof. Soumitra Kumar Mandal Professor of Electrical Engineering National Institute of Technical Teachers’ Training & Research, Kolkata

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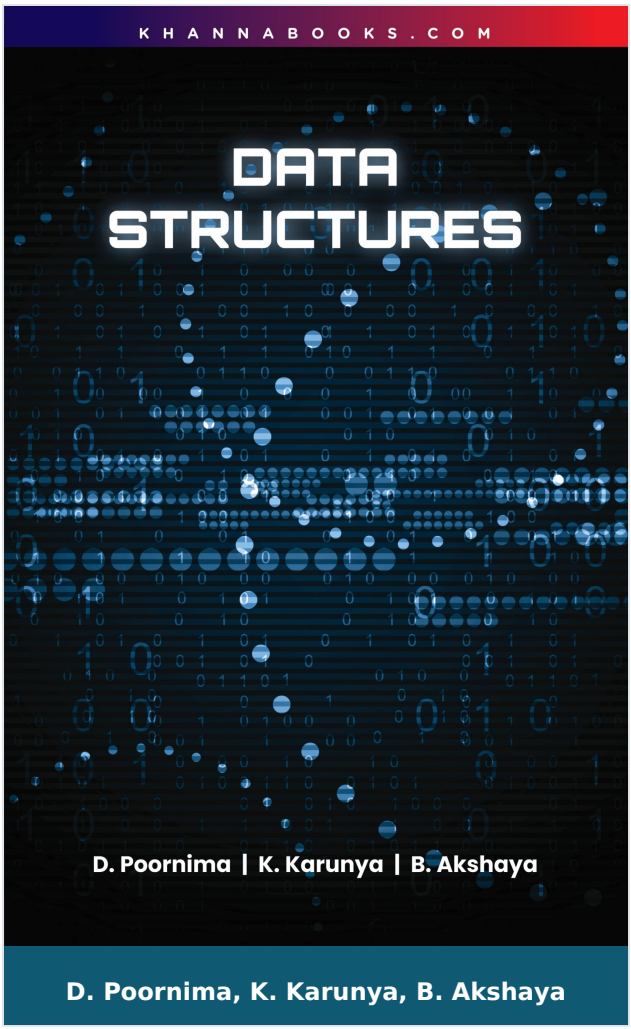

Data Structures

Author :	D. Poornima, K. Karunya, B. Akshaya
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Product Description

This comprehensive textbook offers an indispensable foundation in data structures, the core discipline for efficient computing and algorithm design. It is explicitly designed to empower students, software developers, and computer science professionals with the ability to organize, manage, and process data optimally, thereby reducing computational overhead and enhancing application performance.

The book systematically guides readers through fundamental concepts, beginning with linear structures like Arrays, Linked Lists, Stacks, and Queues, and progresses to complex, non-linear structures such as Trees and Graphs. A strong emphasis is placed on the dual goals of reducing time complexity and optimizing memory storage, which are vital for developing modern, scalable software. Readers will gain practical proficiency through units dedicated to Search and Sorting Techniques and critical graph algorithms like Dijkstra's and Minimum Spanning Trees. By blending academic rigor with extensive real-world Case Studies and practical programming examples in C, this text ensures that learners not only understand how these structures work, but also why they are the backbone of modern applications in areas like databases, AI, and network optimization.

Salient Features:

• Fundamental Concepts: Provides a clear introduction to data structures, covering classifications (linear vs. non-linear) and the core need for optimizing both time and space complexity.

• Advanced Structures: Thoroughly covers complex, non-linear structures like Binary Trees, BSTs (Binary Search Trees), and even AVL Trees, detailing their implementation and use in storage and retrieval.

• Graph Theory: Explores Graphs with depth, covering representation using Adjacency Matrix and List, and essential traversals like Breadth-First Search (BFS) and Depth-First

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Search (DFS).

• Pathfinding Algorithms: Dedicated focus on practical solutions with algorithms for Minimum Spanning Trees (Kruskal's/Prim's) and Shortest Paths (Dijkstra's, Bellman-Ford, Floyd-Warshall).

• Algorithm Analysis: Offers a comprehensive unit on Search and Sorting Techniques (Quick Sort, Merge Sort, Heap Sort), with detailed analysis comparing the efficiency of various algorithms.

• Practical Coding: Includes numerous Solved Problems and C programming code examples for all major operations (insertion, deletion, traversal), enabling hands-on implementation skills.

• Real-World Applications: Features focused Case Studies throughout, illustrating how structures like Queues and Trees are utilized in practical scenarios such as hospital queue optimization and network routing.

• ICT Integration: Recommends specific digital tools, including online visualizers (like VisuAlgo) and competitive programming platforms (like LeetCode), to enhance interactive and application-based learning.

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INNOVISION

Author :	Chelat Bhuvanachandran
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Product Description

With ageing, we live a short future, where young people have to live there for rest of their lives. We are comfortable with friends and memories because we know them, but not with our future because we do not know it. We see problems in opportunities, in contrast youths see opportunity in problems. With better medical care and healthy food, today's 70- years old is healthier than those in their sixties a decade back and are more wealth with savings and service benefits, opening up anew market for consumption, clothing, holidays, properties and car hire. With more than hundred sensor, Al-sensitive signals and commands, our future car will be a computer on wheels, without accidents and bodyworks, Robots will care our elders and 3-D printing will relocate production with reduced costs. A smart phone can raise the labor income by 20 percent, as it enables instant connectivity between user and provider which will raise the GDP by 10 percent. It enables quality education online at no extra cost, liberating millions from poverty, illiteracy and ill-health. Our world will become less violent and corrupted; with our problems solved with opportunities making our planet more happy and livable, we can see more open exchange of knowledge, resources, collaboration and trust than conflicts and wars.

If creativity thrives when constrained, with problems to be solved by opportunity, India with one of the largest skilled talents in her campuses will regain its ancient glory of inventions and discoveries in the next future.

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- Trust and Collaboration
- Inspiration and Appreciation

Author

Chelat Bhuvanachandran

Chelat Bhuvanachandran retired as Gen Manager-ME & Signatory with a Swiss company-AFG Arbonia-Forster-Holding AG in 2012. He started his career as a sales trainee with British Paints India Ltd and was operating from various locations in India and later in the Middle East. Back home after three years of consulting assignment with a German firm, he turned to volunteering to National causes and purposes. The first attempt was to script two books in 2021, ‘Living The Values’ – a Value narrative to Grass-root Leadership with a purpose of redefining our school model with values, patriotism and a purpose. The second book titled ‘The State of Israel’- a Start-up Nation to a Scale-up Nation, which inspires our youths to achieve impossible dreams. On submission to over one hundred Govt of India departments, NCERT, MoE, CDS and DRDO acknowledged with very positive appreciation while NCERT recognized the first one as learning tool tor up-skill HSE teachers and the second one as a reference document for education, military, economy and governance. Essentially in an uncontested space, it requires a theme, passion and stretched imagination, to script a book, where his next inspiration was intertwined with Prime Minister Narendra Modi’s vision that ‘Start-up Innovations will drive India’s GDP in next two decades’. He is not a specialist from any domains of accelerating technologies, but he selected ‘entrepreneurship’ which comes from the core skills of his past career. The result was ‘InnoVision’-The grand challenges of 21st century. He defines every big problem as a big business opportunity, where the convergent technologies could find a business solution for each of the UN’s 17 SDG-Sustainable Development Goals, where India and South Asia score poorest ranks in the world. The book’s target readership is the aspiring innovators from our technology campuses. Born to Sri (Late) M.K.K.Menon and Smt (Late)

Chelat Leelamma, Bhuvanachandran is married to Nirmala Pulapre, and lives in Sobha City Thrissur.

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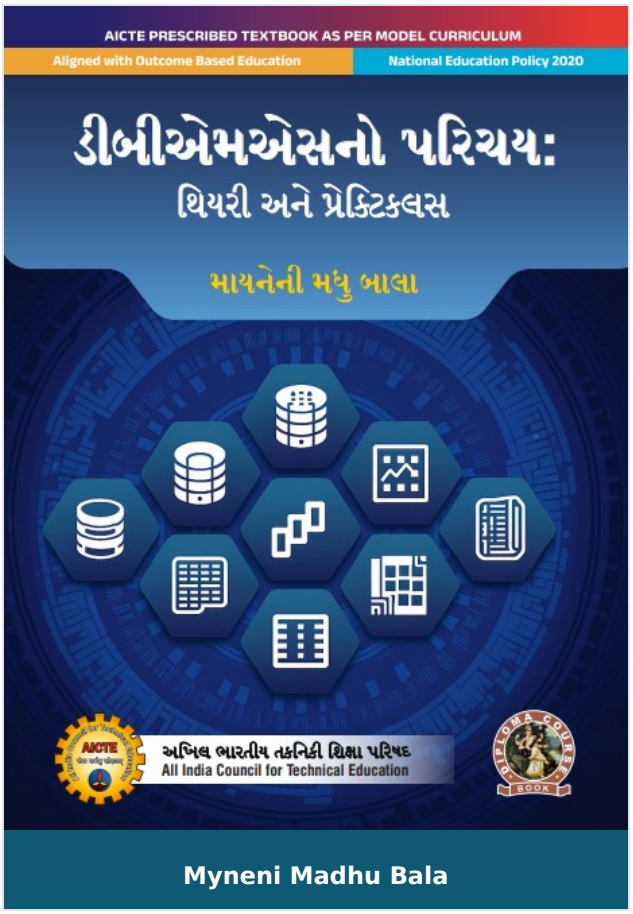

Introduction to DBMS: Theory & Practicals

Author :	Myneni Madhu Bala
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Programming in Python

Author :	K. Abinaya, Saraswathi
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Type of book :	Physical
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Product Description

This comprehensive textbook, The Complete Guide to Programming in Python, is a foundational resource designed to transform absolute beginners into proficient Python developers. The core theme of the book is simplicity meets versatility: Python's global popularity is rooted in its highly readable syntax and its powerful application across diverse fields like web development, data science, and automation.

The book's primary purpose is to deliver a systematic, hands-on learning experience. It begins by establishing the fundamentals—such as the easy-to-understand syntax, diverse expression types, and key data structures like Numeric, Sequence (Lists, Tuples), and Mapping (Dictionaries)—before seamlessly progressing to advanced topics. Readers will master essential control flow techniques, including conditional statements (if/elif/else, match-case) and iterative loops (for/while), and learn to structure complex code using Object-Oriented Programming (OOP) principles (Inheritance, Polymorphism). The practical value is reinforced by specialized units on handling errors through robust exception handling, interacting with the PyMongo database, and building visually appealing applications using Tkinter. The target audience includes students in computer science, newcomers to programming, and professionals from any domain who require a solid, application-focused grounding in one of the world's most demanded programming languages.

Salient Features:

• Foundational Syntax Mastery: An ideal starting point covering all of Python's core features, from its easy-to-understand syntax and diverse expression types (Arithmetic, Logical) to detailed rules for operator precedence.

• Comprehensive Data Structures: A dedicated section that thoroughly explores all built-in data types: Numeric (int, float), Sequence (list, tuple, string), Mapping (dict), and Set

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types, complete with practical code implementations.

• Control Flow and Logic: Offers full coverage of flow control mechanisms, from basic if-else and nested conditions to the modern match-case statement, ensuring the ability to write robust program logic.

• Essential Built-in Functions: Provides an extensive, tabulated reference of over 50 vital built-in functions, each accompanied by practical code snippets demonstrating its correct usage and return value.

• OOP Principles Explained: Delivers clear, practical instruction on Object-Oriented Programming, covering Inheritance, Polymorphism (Overriding, Overloading), and Data Abstraction using Python-specific examples.

• Ecosystem and Libraries: Introduces the vast Python ecosystem, detailing how to create and use custom modules and presenting key external libraries like NumPy and Pandas for data manipulation.

• GUI Application Development: Step-by-step guidance on creating rich Graphical User Interfaces (GUIs) using the standard Tkinter library, thoroughly covering layout managers and all essential widgets.

• Practical Database Integration: Hands-on instruction for connecting to and performing full CRUD (Create, Read, Update, Delete) operations on a NoSQL database, specifically using the PyMongo library for MongoDB.

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K. Abinaya

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Saraswathi

Saraswathi Devi for given me the support and encouraging me to achieve goals successfully. I co-authored books on "Computer Fundamentals", Data Science with Machine Learning using R. Dr. K. L. Vasundhara, HOD & Assoc. Professor, Dept. of Mathematics, Thank my Mentor Prof. M. V. Ramana Murthy (Former Head and BOS Chairman, Dept. of Mathematics and Computer Science, OU, Hyderabad) for his guidance, time, ideas and help. I am greatly indebted to Sri Krishna Rao (Correspondent, Stanley College of Engineering and Technology for Women, Hyderabad) for his support. It is imperative on my behalf to remember my behold Mother Late Smt. K. Varalakshmi and my Father-in-Law Late Sri. Yerasuri Gopala Krishna Murthy for their divine blessings. Recipient of "UTTAMA ADYAPIKA AWARD" 2022, " JYSTA ACH ARNA AWARD" 2024 and authored 16 papers in various National & International Journals, Co- authored books on " Engineering Mathematics-IV", "Data Science with Machine Learning using R". AICTE nominated expert for Data Analytics and having 6 Patents. Prf.

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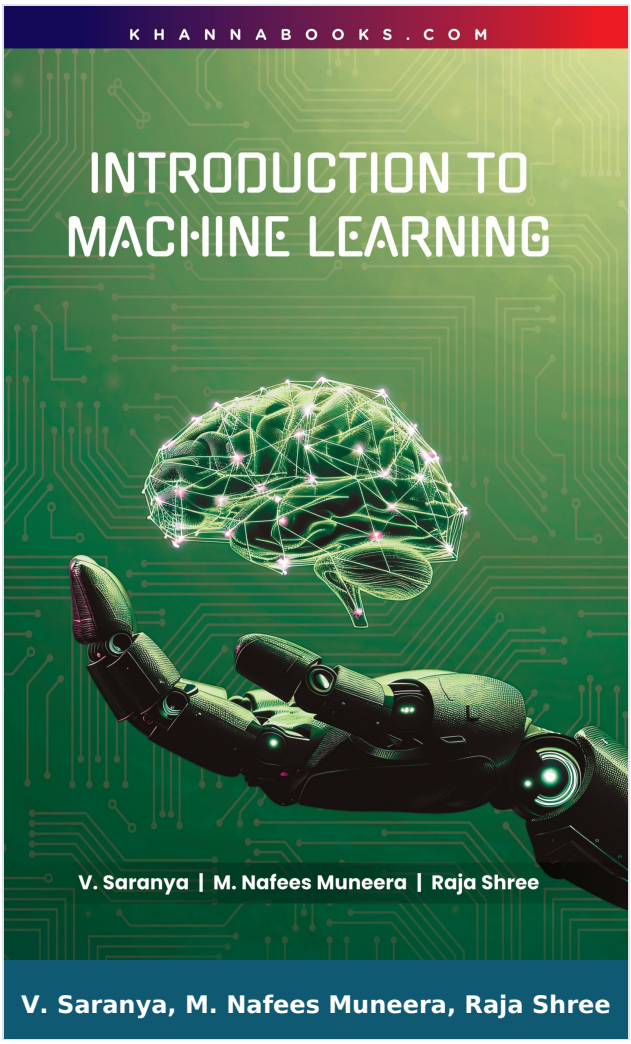

Introduction to Machine Learning

Author :	V. Saranya, M. Nafees Muneera, Raja Shree
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Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Product Description

The book, INTRODUCTION TO MACHINE LEARNING, is an essential guide meticulously designed to provide a comprehensive, progressive, and practical foundation in the field of Machine Learning (ML). In the rapidly advancing “data era,” ML has become an integral part of modern advancements across healthcare, finance, autonomous systems, and artificial intelligence. This textbook is dedicated to crafting a strong foundational understanding of the principles, techniques, and real-world applications that drive these intelligent systems.

The core purpose of this book is to bridge the gap between theoretical understanding and practical application. It begins with the fundamental concepts of ML, its categories (supervised, unsupervised, semi-supervised, and reinforcement learning), and essential data preprocessing techniques. The journey progresses through the crucial mathematical backbone, including probability, distributions, and the Naive Bayes Classifier. It then thoroughly explores core supervised algorithms like Linear Regression and Support Vector Machines (SVM), and dives into unsupervised methods such as K-Means clustering and Principal Component Analysis (PCA). Finally, it addresses advanced concepts in model optimization through ensemble methods like bagging, boosting, and stacked generalization.

This resource is an invaluable companion for students building their academic foundation, researchers seeking clear insights, and professionals aiming to integrate ML into their work. The content is structured with clarity and is supported by well-illustrated examples, making it suitable for both beginners and experienced learners who wish to master the application of ML techniques effectively in various domains.

Salient Features:

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• Foundational Principles: Provides a solid, structured introduction to Machine Learning, its core concepts, types (supervised, unsupervised, etc.), and the critical bias-variance tradeoff.

• Essential Preprocessing: Covers crucial initial steps of the ML workflow, including noise removal, normalization techniques, and an understanding of data quality challenges.

• Statistical Backbone: Dedicated unit on the mathematical foundations, including random variables, probability distributions, Bayes' Theorem, and the Naive Bayes Classifier Algorithm.

• Supervised Algorithms: Detailed coverage of key supervised methods like Linear Regression, Lasso Regression, Logistic Regression, Support Vector Machines (SVM), and K-Nearest Neighbors (KNN).

• Unsupervised Deep Dive: Explores clustering techniques (K-Means, K-Medoids, DBSCAN), dimensionality reduction with PCA, Outlier Analysis, and an introduction to Reinforcement Learning.

• Model Evaluation: Discusses essential evaluation metrics for both regression and classification tasks, ensuring readers can accurately measure and validate their model performance.

• Advanced Optimization: Focuses on model generalization and optimization using ensemble learning, covering techniques like Bagging, Boosting, Stacked Generalization, and Cascading.

• Practical Application: Emphasizes practical skills and insights necessary for applying ML techniques effectively in real-world scenarios across various domains, supported by clear examples.

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Table Of Contents

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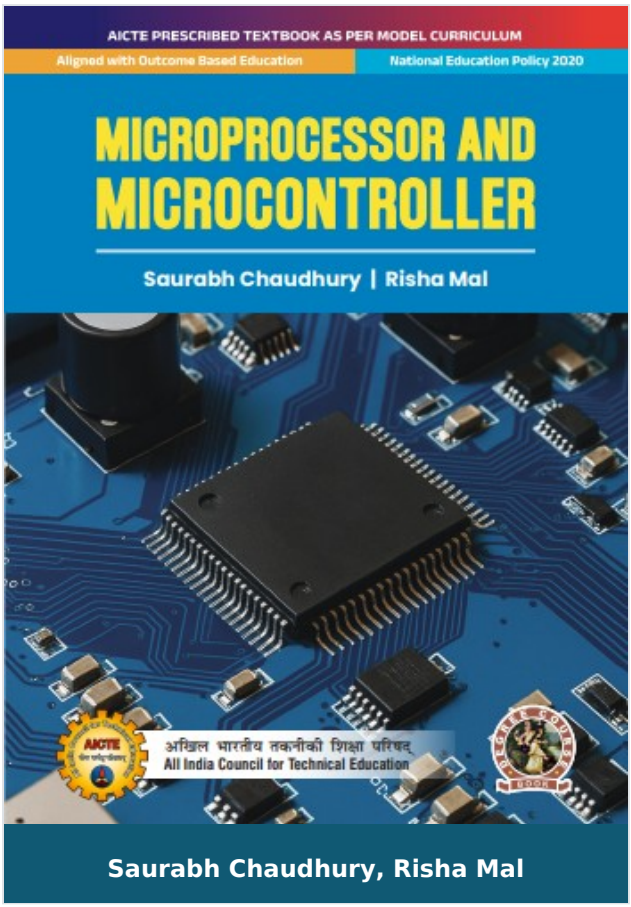

Microprocessor and Microcontroller

Author :	Saurabh Chaudhury, Risha Mal
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Product Description

Microprocessor and Microcontroller

This book aims at providing the readers specially, the second-year undergraduate students a thorough knowledge of microprocessors and microcontrollers in a best possible way. Syllabus of this book is as per the AICTE model of curriculum, following National Education Policy, 2020. Each chapter of the book is written in a very lucid manner so as to understand the underlying concepts easily with explanatory examples followed by review questions, exercises and QR codes of online links and other learning resources. The book begins with a brief history on the evolution of computers and processors for making the subject interesting. Further, starting from the very basic microprocessor 8085 and the basic microcontroller 8051, the book gradually progresses towards advanced microprocessors and microcontrollers in the most appropriate manner.

Salient Features:

- Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- Book provides lots of recent information, interesting facts, QR Code for E-resources, QR Code for use of ICT, projects, group discussion etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- Apart from essential information a ‘Know More’ section is also provided in each unit to extend the learning beyond syllabus.

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- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
- Solved and unsolved problems including numerical examples are solved with systematic steps

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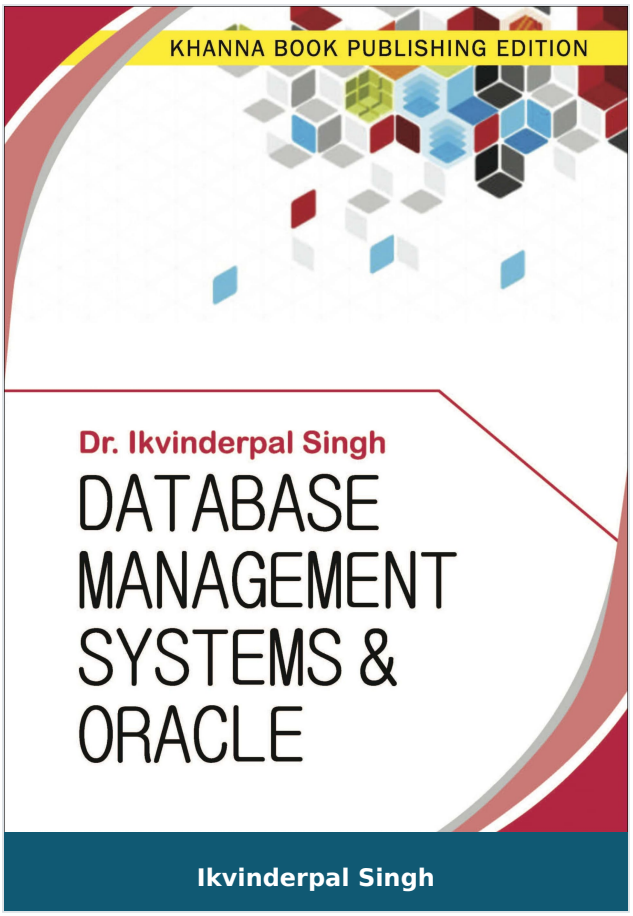

Database Management Systems & Oracle

Author :	Ikvinderpal Singh
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Product Description

The database in now the underlying framework of the information system, and has fundamentally changed the way many organizations operate. In particular, the developments in this technology over the last few years have produced systems that are more powerful and more intuitive to use. this has resulted in database systems becoming increasingly available to a winder variety of users. the objectives of this book, therefore, are to provide a textbook that introduces the theory behind database as clearly as possible and, in particular, to provide a methodology for database design that can be used by IT professionals, such as systems analysts or designers, application programmers, systems programmers, database practitioners, and for for independent self-teachers.

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- Pl/Sql Subprograms
- Pl/Sql Database Triggers
- Handling Pl/Sql Errors

Author

Ikvinderpal Singh

Dr. Ikvinderpal Singh is an Assistant Professor at Trai Shatabdi Guru Gobind Singh Khalsa college Amritsar, bringing 17+ years of academic leadership and research experience to the field of computer science. A Gold Medalist in B.Sc. IT, with an MCA (Distinction) and a Ph.D. in Neural Networks and Image Processing, he is known for blending rigorous research with practical innovation. A prolific academic creator, he has authored 37 books, published 82+ research papers, and designed 100+ industry-aligned skill-development courses. His expertise extends to doctoral evaluation, supervision, and active participation on 100+ editorial and review boards worldwide.

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A. Sivasangari, L. Lakshamanan, P. Ajitha

Internet of Things

Author :	A. Sivasangari, L. Lakshamanan, P. Ajitha
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Product Description

Internet of Things

This comprehensive textbook, Internet of Things (IoT), serves as an essential guide to the disruptive technological network that is reshaping the physical and digital worlds. Moving beyond simple connectivity, the book provides a robust, unit-by-unit exploration of the entire IoT ecosystem, from the foundational hardware components to the advanced data analytics that drive decision-making.

The core theme is the intelligent integration and automation achieved by linking physical objects via sensors, actuators, and communication protocols. Its purpose is to equip readers with both theoretical knowledge—covering complex topics like reference architecture, protocols (MQTT, CoAP), and cloud service models (IaaS, PaaS, SaaS)—and practical, real-world application insights. Readers will learn how IoT transforms industries through technical optimization, waste reduction, and enhanced customer engagement.

The target audience includes undergraduate and graduate students in Computer Science, Electronics, and Information Technology, as well as researchers and industry professionals seeking to design, implement, or manage scalable IoT solutions. With dedicated sections on Big Data Analytics, Industry 4.0 concepts, and hands-on projects using platforms like Raspberry Pi and Arduino, this book offers a complete and engaging framework for understanding the future of interconnected technology.

Salient Features

- **Foundational Concepts**: Provides a solid grounding by exploring the evolution from Machine-to-Machine (M2M) communication to the full Internet of Things, detailing key benefits like technical optimization and waste reduction.
- **System Architecture**: Offers a comprehensive, layered reference architecture covering the Device, Communication, Aggregation, and Data Analysis layers, along

with lightweight protocols like MQTT and CoAP.

- **Embedded Components**: Focuses on the physical layer, including the function and use of various sensors and actuators, alongside the crucial design of embedded systems and gateways for IoT devices.
- **Cloud Integration**: Discusses the convergence of IoT and Cloud Computing (IaaS, PaaS, SaaS) for scalable data management, featuring in-depth analysis of major platforms like AWS IoT and IBM Watson.
- **Big Data Analytics**: Contains a dedicated unit on managing the high Volume, Variety, and Velocity of IoT data, covering general data architecture and practical data visualization tools.
- **Development Boards**: Includes practical guidance on implementing projects using popular hardware platforms like Raspberry Pi, Arduino, and Intel Galileo, catering to hands-on learning and prototyping.
- **Business & Industry 4.0**: Outlines the vast business scope of IoT, covering concepts like Industry 4.0, economic transformation, and the new Information-Driven Global Value Chain (I-GVC).
- **Security & Threats**: Addresses critical challenges such as security threats (e.g., DDoS attacks) and the need for robust Identity and Access Management within the distributed and scalable IoT ecosystem.

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