

## Blockchain Design & Use Cases

<b>Author :</b>	Parveen A.
<b>ISBN 13 :</b>	978-93-55384-02-7
<b>ISBN 10 :</b>	93-55384-02-5
<b>E-ISBN 13 :</b>	978-93-55384-02-7
<b>Edition :</b>	First
<b>Pages :</b>	96
<b>Type of book :</b>	Paperback
<b>Year :</b>	2025
<b>Language :</b>	English
<b>Publisher :</b>	Khanna Publishing House
<b>M.R.P :</b>	Rs 148.00
<b>Categories :</b>	<a href="#">Sathyabhama Series</a>
<b>Condition Type :</b>	New
<b>Country Origin :</b>	India

## Product Description

**Blockchain Design & Use Cases** "BLOCKCHAIN DESIGN & USE CASES" is a comprehensive and expertly structured guide designed to equip readers with a mastery of the transformative technology that is blockchain. This book bridges theoretical concepts with practical use cases, highlighting blockchain's immense potential to revolutionize industries by ensuring transparency, security, and decentralization. The journey begins with foundational principles, tracing the evolution from digital money to Distributed Ledger Technology (DLT) and detailing key design primitives such as cryptographic hashing, digital signatures, and consensus mechanisms. The core purpose is to provide readers with actionable knowledge, moving beyond mere theory to practical application. The text offers an in-depth focus on the enterprise-grade platform Hyperledger Fabric, covering its components, chaincode development, and the decomposition of its consensus process. Furthermore, it provides extensive coverage of real-world scenarios across critical sectors, including financial systems (settlements, KYC, capital markets), supply chain management (provenance, trade finance), and government use cases (digital identity, land records). Targeted at a diverse audience, including students, developers, researchers, and business leaders alike, this text serves as both a detailed academic resource and a practical gateway for innovation. With thoughtfully designed exercises, summaries, and additional resources at the end of each unit, this book ensures readers are well-prepared to navigate, contribute to, and leverage the rapidly evolving blockchain ecosystem for the future. **Salient Features:**

- **Foundational Concepts:** Begins with a strong base, covering the evolution from digital money to DLT, basic crypto primitives, and fundamental blockchain architecture.
- **Consensus Protocols:** Explores the requirements, scalability challenges, and specific mechanisms like Proof of Work (PoW) and those designed for permissioned blockchain networks.
- **Hyperledger Fabric:** Provides an in-depth analysis of this key enterprise framework, detailing its components, consensus decomposition, and chaincode design and implementation.
- **Finance Applications:** Dedicated coverage of blockchain use in financial systems for streamlining settlements, automating KYC/AML, and digitizing capital markets.
- **Supply Chain Focus:** Details practical applications in trade/supply chain, focusing on ensuring goods' provenance, supply chain finance, and invoice management and discounting.
- **Government Use Cases:** Investigates transformative



---

## Table of Contents

---

- Introduction to blockchain
- Consensus
- Hyperledger fabric
- Use cases 1 & 2
- Use case 3

---

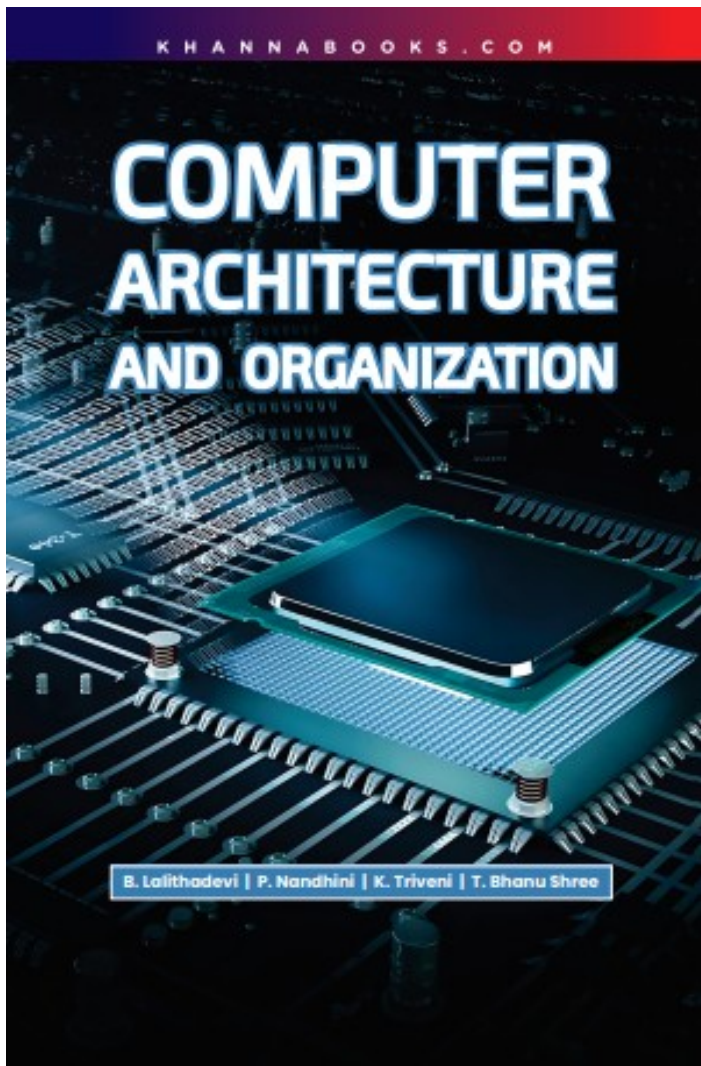
## Author

---

**Parveen A.** Associate Professor, Dept of CSE, Sathyabhama Institute of science and Technology

---





## Computer Architecture and Organization

<b>Author :</b>	B. Lalithadevi
<b>ISBN 13 :</b>	978-93-55388-03-2
<b>ISBN 10 :</b>	93-55388-03-9
<b>E-ISBN 13 :</b>	978-93-55388-03-2
<b>Edition :</b>	First
<b>Pages :</b>	96
<b>Type of book :</b>	Paperback
<b>Year :</b>	2025
<b>Language :</b>	English
<b>Publisher :</b>	Khanna Publishing House
<b>M.R.P :</b>	Rs 148.00
<b>Categories :</b>	<a href="#">Sathyabhama Series</a>
<b>Condition Type :</b>	New
<b>Country Origin :</b>	India

## Product Description

**Computer Architecture and Organization** This book, "COMPUTER ARCHITECTURE AND ORGANIZATION," offers a comprehensive and structured exploration of the fundamental principles that govern the operation and design of modern computing systems. As technology continues its rapid advance across fields like artificial intelligence, healthcare, and communication, understanding the internal workings of a computer is crucial for creating high-performance and efficient architectures. Designed specifically for students and professionals in computing technology, this text effectively balances theoretical concepts with practical applications to prepare readers for advanced studies and successful careers. The journey begins with the essential building blocks, detailing general register organization, instruction cycles, and the vital stack organization that facilitates efficient data manipulation and function calls. The content systematically progresses through the core components, providing a clear explanation of the Arithmetic Logic Unit (ALU), including complex operations like Booth multiplication and floating-point arithmetic. Crucially, the book dedicates significant coverage to memory organization, exploring the essential memory hierarchy, cache memory (including mapping and replacement policies), and virtual memory implementation. Finally, it addresses contemporary system design challenges by covering Input-Output (I/O) mechanisms such as Direct Memory Access (DMA), and the complexities of modern multiprocessor systems, including interconnection structures and advanced cache coherence protocols. With its clear explanations and structured approach, this book serves as an indispensable resource for mastering the architecture and organization that powers the digital world. **Salient Features:**

- **General Register Organization:** Deep dive into how CPU registers (PC, AC, DR, IR) and the Last-In, First-Out (LIFO) stack organization manage data and control flow for high-speed instruction execution.
- **Instruction Set Comparison:** Compares and contrasts different instruction set architectures like MIPS, RISC, and CISC, alongside an analysis of one-, two-, and three-address instruction formats.
- **Advanced Arithmetic Units:** Comprehensive coverage of ALU micro-operations and complex computational algorithms, including Booth's multiplication and detailed procedures for floating-point arithmetic operations.
- **Memory Hierarchy Mastery:** In-depth analysis of the memory hierarchy, including the structure and function of cache memory, virtual memory, and specialized Content-Addressable Memory (CAM).
- **Efficient I/O Management:** Explores mechanisms for input-output data transfer,



---

## Table of Contents

---

- General registers
  - Arithmetic logic unit and computer arithmetic
  - Memory organization
  - Input-Output Organization
  - Characteristics of multiprocessors
- 

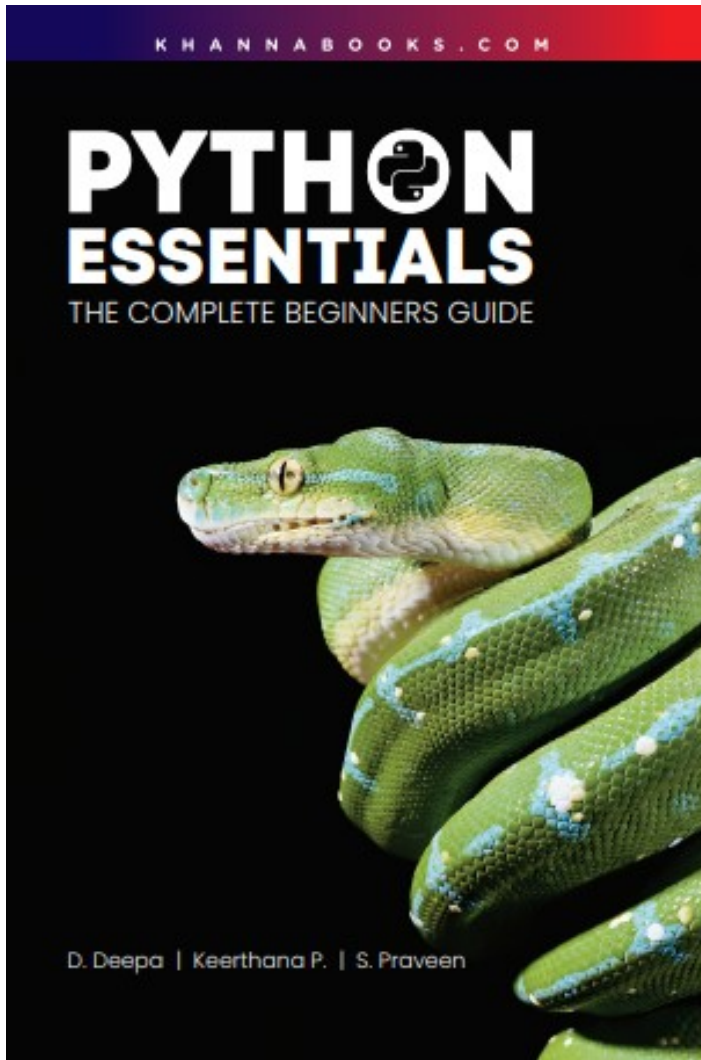
## Author

---

**B. Lalithadevi, K. Triveni, P. Nandhini, T. Bhanu Shree.**

---





## Python Essentials (The Complete beginners Guide)

<b>Author :</b>	D. Deepa
<b>ISBN 13 :</b>	978-93-55386-19-9
<b>ISBN 10 :</b>	93-55386-19-2
<b>E-ISBN 13 :</b>	978-93-55386-19-9
<b>Edition :</b>	First
<b>Pages :</b>	96
<b>Type of book :</b>	Paperback
<b>Year :</b>	2025
<b>Language :</b>	English
<b>Publisher :</b>	Khanna Publishing House
<b>M.R.P :</b>	Rs 148.00
<b>Categories :</b>	<a href="#">Sathyabhama Series</a>
<b>Condition Type :</b>	New
<b>Country Origin :</b>	India

---

## Product Description

---

**Python Essentials (The Complete beginners Guide)** Python is the bedrock of modern technology—powering everything from Data Science and Machine Learning to Web Development and System Automation. But where do you start? Python Essentials: The Complete Beginner's Guide is your definitive, practical roadmap. Built specifically for absolute beginners, this book capitalizes on Python's simple, English-like syntax to ensure a swift and successful journey into coding. This guide moves beyond theory, equipping you with the fundamental logic and Object-Oriented Programming (OOP) principles needed for professional work. By the time you finish, you won't just know Python; you'll be able to build, debug, and implement real-world solutions. Launch your career or elevate your productivity—the power of Python starts here. **Salient Features:** This guide provides a complete, hands-on path to Python mastery, focusing on modern, practical skills:

- **Core Foundations:** Master the essential building blocks, including variables, expressions, and primary data structures (Lists, Strings, Tuples, Dictionaries).
- **Object-Oriented Programming (OOP):** Gain a clear understanding of OOP principles (Classes, Objects, Inheritance) to write robust, scalable, and reusable code.
- **GUI and Database Development:** Develop practical tools by learning to build Graphical User Interfaces (GUI) with Tkinter and manage data using the SQLite database library.
- **Debugging and Error Handling:** Acquire crucial development skills like effective Exception Handling and code tracing using Python's built-in debugger, pdb.
- **Real-World Project Skills:** Learn to manage projects professionally with topics like File Handling, utilizing Virtual Environments, and performing efficient Code Reviews.
- **Versatile Programming:** Understand Python's support for multiple paradigms, including procedural, functional, and object-oriented styles, preparing you for any job role.

---

## Table of Contents

---

- Introduction to Python and Basic Constructs
- Object-Oriented Programming Concepts
- Functions, File Handling, and Error Handling
- GUI Programming and Database Handling
- Networking and Hands-on Project



---

**Author**

---

**Deepa, Keerthana P., S. Praveen**

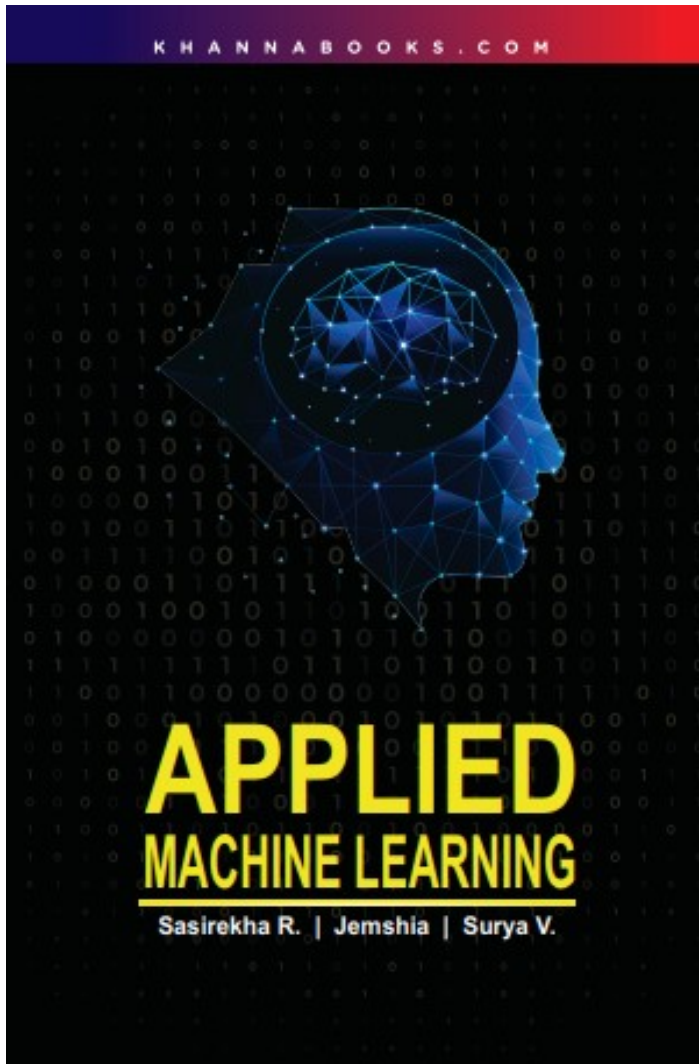
---



**Khanna Publishing House**

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: [contact@khannabooks.com](mailto:contact@khannabooks.com) | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320



## Applied Machine Learning

<b>Author :</b>	Jemshia
<b>ISBN 13 :</b>	978-93-55388-42-1
<b>ISBN 10 :</b>	93-55388-42-X
<b>E-ISBN 13 :</b>	978-93-55388-42-1
<b>Edition :</b>	First
<b>Pages :</b>	96
<b>Type of book :</b>	Paperback
<b>Year :</b>	2026
<b>Language :</b>	English
<b>Publisher :</b>	Khanna Publishing House
<b>M.R.P :</b>	Rs 148.00
<b>Categories :</b>	<a href="#">Sathyabhama Series</a>
<b>Condition Type :</b>	New
<b>Country Origin :</b>	India

## Product Description

**Applied Machine Learning** In an era where data is growing exponentially, Machine Learning (ML) has become the definitive tool for solving complex problems across every major industry, from healthcare and finance to autonomous systems and natural language processing. Applied Machine Learning is designed to bridge the gap between theoretical research and real-world implementation. This book provides a solid foundation, covering core concepts such as supervised and unsupervised learning, feature engineering, and model evaluation. Readers will gain a deep understanding of essential algorithms like linear regression, decision trees, support vector machines, and neural networks. With a crucial focus on practical application, the text uses Python and industry-standard libraries like Scikit-learn, TensorFlow, and PyTorch to provide step-by-step coding examples. Beyond model development, it addresses critical challenges, including data bias, model interpretability, and ethical considerations, emphasizing the need to build responsible and transparent ML systems. Whether you are an aspiring data scientist, a software engineer, or a business leader, this book is your comprehensive guide to leveraging AI-driven insights and transforming industries. **Salient Features:**

- **Foundational Learning Paradigms:** Detailed coverage of Supervised, Unsupervised, Semi-Supervised, and Reinforcement Learning models and their real-world applications.
- **Essential Algorithms:** In-depth study of core algorithms, including K-Means Clustering, Fuzzy K-Means, Decision Trees, and various Neural Network architectures.
- **Practical Implementation:** Hands-on focus on Python programming and popular ML libraries (Scikit-learn, TensorFlow, PyTorch) for effective solution deployment.
- **Data Strategy:** Comprehensive chapters on Data Representation, covering structured vs. unstructured data, feature engineering, normalization, and techniques for handling missing data.
- **Model Optimization:** Clear explanation of the Bias-Variance Tradeoff and the Occam's Razor principle for selecting models that achieve optimal generalization.
- **Statistical Backbone:** Exploration of the statistical foundations of ML, including Probability Theory, Bayes' Theorem, Sampling Methods, and Inferential Statistics.
- **Business Applications:** Includes units on Business Intelligence (BI), Data Warehousing, OLAP, the CRISP-DM Model, and Intelligent Information Retrieval Systems.
- **Future Trends:** Analysis of the latest Applications and Trends of Machine Learning across key sectors like Healthcare, Finance, E-commerce, and Autonomous Systems.



---

## Table of Contents

---

- Introduction to Applied Machine Learning
  - Statistical Analysis in Applied Machine Learning
  - Introduction to Neural Networks
  - Data Clustering & Decision Tree Learning
  - Business Intelligence and Data Mining
- 

## Author

---

**Sasirekha R., Jemshia, Surya V.**

---



**Khanna Publishing House**

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: [contact@khannabooks.com](mailto:contact@khannabooks.com) | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320