

Internet And Web Technology Raj Kamal

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Shanghai Homes - Jie Li 2014-11-18

In the dazzling global metropolis of Shanghai, what has it meant to call this city home? In this account—part microhistory, part memoir—Jie Li salvages intimate recollections by successive generations of inhabitants of two vibrant, culturally mixed Shanghai alleyways from the Republican, Maoist, and post-Mao eras. Exploring three dimensions of private life—territories, artifacts, and gossip—Li re-creates the sounds, smells, look, and feel of home over a tumultuous century. First built by British and Japanese companies in 1915 and 1927, the two homes at the center of this narrative were located in an industrial part of the former "International Settlement." Before their recent demolition, they were nestled in Shanghai's labyrinthine alleyways, which housed more than half of the city's population from the Sino-Japanese War to the Cultural Revolution. Through interviews with her own family members as well as their neighbors, classmates, and co-workers, Li weaves a

complex social tapestry reflecting the lived experiences of ordinary people struggling to absorb and adapt to major historical change. These voices include workers, intellectuals, Communists, Nationalists, foreigners, compradors, wives, concubines, and children who all fought for a foothold and haven in this city, witnessing spectacles so full of farce and pathos they could only be whispered as secret histories.

Building Business Acumen towards Sustainability -

Dr.C.Nagadeepa

"Building Business Acumen towards Sustainability" is a thought-provoking and enlightening book that delves into the intersection of business acumen and sustainability. Compiled and edited by a team of renowned researchers and, this collection of research papers offers valuable insights and practical strategies for organizations aiming to navigate the challenges of the modern business landscape while prioritizing sustainability. The book begins by establishing a comprehensive understanding of

business acumen, emphasizing its significance in driving strategic decision-making and achieving long-term success. It explores the various dimensions of business acumen, including financial literacy, market analysis, risk management, and innovation. By highlighting the importance of a holistic understanding of business operations, the book sets the stage for integrating sustainability into these core competencies. Central to the book's narrative is the recognition that sustainability is no longer a choice but a necessity for businesses operating in the 21st century. The research papers provide an in-depth examination of the environmental, social, and economic challenges facing organizations, elucidating the interconnectedness between these domains and their impact on long-term business viability. By presenting compelling case studies and empirical evidence, the book illustrates how organizations can effectively incorporate sustainability principles into their operations and drive positive outcomes. One of the key strengths of "Building Business Acumen Towards Sustainability" is its focus on actionable strategies. The research papers not only provide theoretical frameworks but also offer practical guidance for implementing sustainable practices within organizations of various sizes and industries. From adopting circular economy principles to enhancing supply chain sustainability, the book covers a wide array of topics and provides step-by-step approaches for integrating sustainability into existing business models. Moreover, the book emphasizes the role of leadership in fostering a culture of sustainability within organizations. It explores the qualities and competencies required of leaders to drive sustainable change, highlighting the importance of stakeholder

engagement, ethical decision-making, and long-term thinking. By showcasing successful examples of sustainable leadership, the book inspires readers to embrace their role as change agents and advocates for a more sustainable future. Whether you are an academic, business professional, or sustainability enthusiast, this book offers a wealth of knowledge and inspiration to foster positive change and drive sustainable outcomes.

Love Buddy - Zahir Chauhan 2017

Kabir and Kashish have been the best of buddies ever since. Everyone saw them to be head over heels with each other, but they were not! Years later they meet only to have Kabir realise that he is in love with Kashish. As fate could have it Kashish is also in love, but with someone else! Who is this interloper? Why all of a sudden Kabir has been put inside a police lock up? What has he done? Will Kabir ever be able to express his feelings to Kashish or he will have to spend rest of his life waiting for his soul mate? Is love worth the wait?

Mining of Massive Datasets - Jure Leskovec 2014-11-13

Now in its second edition, this book focuses on practical algorithms for mining data from even the largest datasets.

Introduction to IoT - Sudip Misra 2021-06-10

A valuable guide for new and experienced readers, featuring the complex and massive world of IoT and IoT-based solutions.

The Blue Bedspread - Raj Kamal Jha 2012-06-20

A midnight phone call awakens a man to inform him that his sister has died in childbirth. He is told he must keep the orphaned baby girl overnight, until her new, adopting parents can collect her. Over the course of that hot night in Calcutta, the man hurriedly writes

stories to the baby sleeping on a blue bedspread in the next room: stories of the family she was born into, stories of the mother she will never know. Painting half-remembered scenes, he flits between past and present, recounting tales of the shared childhood of a boy and his sister who muffled their fears in the blueness of that very same bedspread. As the hours pass, the man gradually divulges a layered and transfixing confession of the darkest of family secrets. Described by John Fowles as "remarkable, almost a coming-of-age of the Indian novel," this powerful, penetrating debut by a young New Delhi journalist has already been recognized as an international literary event. In prose that is breathtaking and precise, Raj Kamal Jha discovers the hidden violence and twisted eroticism of an exotic, overcrowded old city. Unlike the India captured in the exotic prose of Salman Rushdie and Arundhati Roy, Jha writes in a spare, straightforward style that has prompted comparisons to American realists like Raymond Carver and Don DeLillo. The Blue Bedspread is a searingly honest story about the love and hope that can survive in the midst of family violence. It is a first novel of extraordinary power and humanity.

Mobile Computing - Asoke K Talukder 2006-10-26

The user in a mobile computing environment is able to access data from any device in a network while on the move, spread across wired and wireless media. The technology to deliver on this promise now exists, and is one of the key drivers for growth across the telecommunications industry. This book provides a detailed survey of the technologies delivering true mobile computing – on both the service creation and device fronts. This book guides communications professionals and students through the complex web of

acronyms, standards that wireless data runs on. It also details hot button security issues and new emerging technologies.

Encyclopedia of Data Science and Machine Learning - Wang, John 2023-01-20

Big data and machine learning are driving the Fourth Industrial Revolution. With the age of big data upon us, we risk drowning in a flood of digital data. Big data has now become a critical part of both the business world and daily life, as the synthesis and synergy of machine learning and big data has enormous potential. Big data and machine learning are projected to not only maximize citizen wealth, but also promote societal health. As big data continues to evolve and the demand for professionals in the field increases, access to the most current information about the concepts, issues, trends, and technologies in this interdisciplinary area is needed. The Encyclopedia of Data Science and Machine Learning examines current, state-of-the-art research in the areas of data science, machine learning, data mining, and more. It provides an international forum for experts within these fields to advance the knowledge and practice in all facets of big data and machine learning, emphasizing emerging theories, principals, models, processes, and applications to inspire and circulate innovative findings into research, business, and communities. Covering topics such as benefit management, recommendation system analysis, and global software development, this expansive reference provides a dynamic resource for data scientists, data analysts, computer scientists, technical managers, corporate executives, students and educators of higher education, government officials, researchers, and academicians.

From Machine-to-Machine to the Internet of Things:

Introduction to a New Age of Intelligence - Jan Holler
2014-04-08

This book outlines the background and overall vision for the Internet of Things (IoT) and Machine-to-Machine (M2M) communications and services, including major standards. Key technologies are described, and include everything from physical instrumentation of devices to the cloud infrastructures used to collect data. Also included is how to derive information and knowledge, and how to integrate it into enterprise processes, as well as system architectures and regulatory requirements. Real-world service use case studies provide the hands-on knowledge needed to successfully develop and implement M2M and IoT technologies sustainably and profitably. Finally, the future vision for M2M technologies is described, including prospective changes in relevant standards. This book is written by experts in the technology and business aspects of Machine-to-Machine and Internet of Things, and who have experience in implementing solutions. Standards included: ETSI M2M, IEEE 802.15.4, 3GPP (GPRS, 3G, 4G), Bluetooth Low Energy/Smart, IETF 6LoWPAN, IETF CoAP, IETF RPL, Power Line Communication, Open Geospatial Consortium (OGC) Sensor Web Enablement (SWE), ZigBee, 802.11, Broadband Forum TR-069, Open Mobile Alliance (OMA) Device Management (DM), ISA100.11a, WirelessHART, M-BUS, Wireless M-BUS, KNX, RFID, Object Management Group (OMG) Business Process Modelling Notation (BPMN) Key technologies for M2M and IoT covered: Embedded systems hardware and software, devices and gateways, capillary and M2M area networks, local and wide area networking, M2M Service Enablement, IoT data management and data warehousing, data analytics and big data, complex event processing and stream analytics, knowledge discovery and

management, business process and enterprise integration, Software as a Service and cloud computing Combines both technical explanations together with design features of M2M/IoT and use cases. Together, these descriptions will assist you to develop solutions that will work in the real world Detailed description of the network architectures and technologies that form the basis of M2M and IoT Clear guidelines and examples of M2M and IoT use cases from real-world implementations such as Smart Grid, Smart Buildings, Smart Cities, Participatory Sensing, and Industrial Automation A description of the vision for M2M and its evolution towards IoT

Web Programming - Chris Bates 2006-05-26

This text teaches the essentials of working with the most important web technologies. From client development using HTML and Javascript, through to full server side applications written in ASP and Perl.

IoT Fundamentals - David Hanes 2017-05-30

Today, billions of devices are Internet-connected, IoT standards and protocols are stabilizing, and technical professionals must increasingly solve real problems with IoT technologies. Now, five leading Cisco IoT experts present the first comprehensive, practical reference for making IoT work. IoT Fundamentals brings together knowledge previously available only in white papers, standards documents, and other hard-to-find sources—or nowhere at all. The authors begin with a high-level overview of IoT and introduce key concepts needed to successfully design IoT solutions. Next, they walk through each key technology, protocol, and technical building block that combine into complete IoT solutions. Building on these essentials, they present several detailed use cases, including manufacturing, energy, utilities, smart+connected cities, transportation,

mining, and public safety. Whatever your role or existing infrastructure, you'll gain deep insight what IoT applications can do, and what it takes to deliver them. Fully covers the principles and components of next-generation wireless networks built with Cisco IOT solutions such as IEEE 802.11 (Wi-Fi), IEEE 802.15.4-2015 (Mesh), and LoRaWAN Brings together real-world tips, insights, and best practices for designing and implementing next-generation wireless networks Presents start-to-finish configuration examples for common deployment scenarios Reflects the extensive first-hand experience of Cisco experts

Genetic Algorithms in Search, Optimization, and Machine Learning - David Edward Goldberg 1989

A gentle introduction to genetic algorithms. Genetic algorithms revisited: mathematical foundations. Computer implementation of a genetic algorithm. Some applications of genetic algorithms. Advanced operators and techniques in genetic search. Introduction to genetics-based machine learning. Applications of genetics-based machine learning. A look back, a glance ahead. A review of combinatorics and elementary probability. Pascal with random number generation for fortran, basic, and cobol programmers. A simple genetic algorithm (SGA) in pascal. A simple classifier system(SCS) in pascal. Partition coefficient transforms for problem-coding analysis.

Internet of Things: A Hands-On Approach - Arshdeep Bahga 2014-08-09

Internet of Things (IoT) refers to physical and virtual objects that have unique identities and are connected to the internet to facilitate intelligent applications that make energy, logistics, industrial control, retail, agriculture and many other domains "smarter". Internet of Things is a new revolution of the Internet that is

rapidly gathering momentum driven by the advancements in sensor networks, mobile devices, wireless communications, networking and cloud technologies. Experts forecast that by the year 2020 there will be a total of 50 billion devices/things connected to the internet. This book is written as a textbook on Internet of Things for educational programs at colleges and universities, and also for IoT vendors and service providers who may be interested in offering a broader perspective of Internet of Things to accompany their own customer and developer training programs. The typical reader is expected to have completed a couple of courses in programming using traditional high-level languages at the college-level, and is either a senior or a beginning graduate student in one of the science, technology, engineering or mathematics (STEM) fields. Like our companion book on Cloud Computing, we have tried to write a comprehensive book that transfers knowledge through an immersive "hands on" approach, where the reader is provided the necessary guidance and knowledge to develop working code for real-world IoT applications. Additional support is available at the book's website: www.internet-of-things-book.com Organization The book is organized into 3 main parts, comprising of a total of 11 chapters. Part I covers the building blocks of Internet of Things (IoTs) and their characteristics. A taxonomy of IoT systems is proposed comprising of various IoT levels with increasing levels of complexity. Domain specific Internet of Things and their real-world applications are described. A generic design methodology for IoT is proposed. An IoT system management approach using NETCONF-YANG is described. Part II introduces the reader to the programming aspects of Internet of Things with a view towards rapid prototyping of complex IoT

applications. We chose Python as the primary programming language for this book, and an introduction to Python is also included within the text to bring readers to a common level of expertise. We describe packages, frameworks and cloud services including the WAMP-AutoBahn, Xively cloud and Amazon Web Services which can be used for developing IoT systems. We chose the Raspberry Pi device for the examples in this book. Reference architectures for different levels of IoT applications are examined in detail. Case studies with complete source code for various IoT domains including home automation, smart environment, smart cities, logistics, retail, smart energy, smart agriculture, industrial control and smart health, are described. Part III introduces the reader to advanced topics on IoT including IoT data analytics and Tools for IoT. Case studies on collecting and analyzing data generated by Internet of Things in the cloud are described.

She Will Build Him a City - Raj Kamal Jha 2015-02-26
SHORTLISTED FOR THE DSC PRIZE FOR SOUTH ASIAN LITERATURE

As night falls in Delhi a mother spins tales from her past for her sleeping daughter. Her now grown-up child is a puzzle with a million pieces whom she hopes, through her words and her love, to somehow make whole again. Meanwhile, as the last train from Rajiv Chowk Station pulls away, a young man rides the metro and dreams of murder. In another corner of the city, a newborn wrapped in a blood-red towel lies on the steps of an orphanage as his mother walks away. There are twenty million bodies in this city and this woman, man and child are only three. But their stories – of a secret love that blossoms in the shadows of grief, of a corrosive guilt that taints the soul, and of an orphaned boy who maps out his own destiny – weave in and out of

the lives of those around them to form a dazzling kaleidoscope of a novel. Beautiful, beguiling and audacious, this is the story of a city and its people, of love and horror, of belonging and forgiveness: a powerful and unforgettable tale of modern India.

Internet of Things - Raj Kamal 2017

Internet of Things (IoT), emphasizes on the efficient use of internet and wireless network for connecting devices in day-to-day life. It gives a step-by-step explanation of the connecting interface of hardware with software. This classic text is a vital study guide for students to master their IoT skills. Internet of Things emphasizes on the efficient use of internet and wireless network for connecting devices in day to day life. It gives a step-by-step explanation of the connecting interface of hardware with software. This classic text is a vital study guide for the students to master their IoT skills.

Web Technologies - Achyut S. Godbole 2013

Web Technologies - Achyut S. Godbole 2002-12

Internet and Web Technologies - Raj Kamal 2002

The City and the Sea - Raj Kamal Jha 2019-04-25

In a crumbling neighbourhood in New Delhi, a child waits for a mother to return home from work. And, in parallel, in a snow-swept town in Germany on the Baltic Sea coast a woman, her memory fading, shows up at a deserted hotel. Worlds apart, both embark, in the course of that night, on harrowing journeys through the lost and the missing, the living and the dead, until they meet in an ending that breaks the heart - and holds the promise of putting it back together again. Called the novelist of

the newsroom, Raj Kamal Jha cleaves open India's tragedy of violence against women with a powerful story about our complicity in the culture that supports it. This is a book about masculinity - damaging and toxic and yet enduring and entrenched - that begs the question: What kind of men are our boys growing up to be?

Internet of Things (IoT) - Dr Kamlesh Lakhwani

2020-03-03

A Systematic Approach to Learn the Principles, Paradigms and Applications of Internet of Things DESCRIPTION In this book, Principles, Paradigm frameworks, and Applications of IoT (Internet of Things) in the modern era are presented. It also provides a sound understanding of the IoT concepts, architecture, and applications, and improves the awareness of readers about IoT technologies and application areas. A key objective of this book is to provide a systematic source of reference for all aspects of IoT. This book comprises nine chapters with close co-operation and contributions from four different authors, spanning across four countries and providing a global, broad perspective on major topics on the Internet of Things. KEY FEATURES - IoT applications in various sectors like Education, Smart City, Politics, Healthcare, Agriculture, etc. - Adoption of the IoT technology and strategies for various sectors - To present case studies and innovative applications of the IoT - To analyze and present the state of the art of the IoT and related technologies and methodologies - To propose new models, practical solutions and technological advances of the IoT WHAT WILL YOU LEARN - Become aware of the IoT components, their connectivity to form the IoT altogether, and future possibilities with IoT. - Understand how the various components of cloud computing work together to

form the basic architecture of cloud computing. - Examine the relationship between the various layers in the IoT architecture. - Understand the programming framework for the Internet of Things (IoT) and various programming paradigms. WHO THIS BOOK IS FOR This book is intended for professionals, researchers, instructors, and designers of a smart system, who will benefit from reading this book. TABLE OF CONTENTS 1. IoT Introduction 2. IoT Architectures and Protocols 3. Programming Framework for IoT 4. Virtualization and IoT 5. Security, Privacy and Challenges in IoT 6. IoT Applications Areas 7. IoT and Cloud 8. Smart City Using IoT integration 9. Case Studies 10. Important Key Terms 11. References Smart Cities for Sustainable Development - Ram Kumar Mishra 2022-05-25

This book reviews the structure, applications, technologies, governance, environmental sustainability, smart communities, gender space and other issues related to smart cities. The book is divided into four parts. The first one entails the conceptual background, growth and development. The second part presents diverse issues on smart cities in terms of environmental sustainability, the role of the community, and gender space, among others. The third part revolves around economic and technological issues, and the fourth is a compilation of case studies in connection with smart cities. This collection of diverse issues from different locations presents a holistic view of smart cities contributed by authors who have undertaken research projects and implemented their own unique perspectives and methods. A variety of innovative concepts such as digital governance, polycentric structures, geodata repositories, geoweb services and advanced geospatial technologies in smart city planning, urban microclimatic

parameters, and urban heat islands provide invaluable knowledge for researchers and practitioners in these fields.

Embedded Systems - Rao B. Kanta 2011

IoT based Projects - Dr. Rajesh Singh 2020-02-13

Create your own IoT projects DESCRIPTION The book has been written in such a way that the concepts are explained in detail. It is entirely based on the practical experience of the authors while undergoing projects with students and industries, giving adequate emphasis on circuits and code examples. To make the topics more comprehensive, circuit diagrams, photographs and code samples are furnished extensively throughout the book. The book is conceptualized and written in such a way that the beginner readers will find it very easy to understand and implement the circuits and programs. The objective of this book is to discuss the various projects based on the Internet of Things (IoT). KEY FEATURES Comprehensive coverage of various aspects of IoT concepts Covers various Arduino boards and shields Simple language, crystal clear approach and straight forward comprehensible presentation Adopting user-friendly style for the explanation of circuits and examples Includes basics of Raspberry Pi and related projects WHAT WILL YOU LEARN Internet of Things, IoT-Based Smart Camera, IoT-Based Dust Sampler Learn to create ESP8266-Based Wireless Web Server and Air Pollution Meter Using Raspberry Pi, Smart Garage Door, Baggage Tracker, Smart Trash Collector, Car parking system, Home Automation Windows 10 on Raspberry and know to create Wireless Video Surveillance Robot Using Raspberry Pi WHO THIS BOOK IS FOR Students pursuing BE/BSc/ME/MSc/BTech/MTech in Computer Science,

Electronics, Electrical. TABLE OF CONTENTS 1. ESP8266-Based Wireless Web Server 2. Air Pollution Meter Using Raspberry Pi 3. Smart Garage Door 4. Baggage Tracker 5. Smart Trash Collector 6. Car parking system 7. Home Automation 8. Environmental Parameter Monitoring 9. Intelligent System for the Blind 10. Sign to Speech Using the IoTs 11. Windows 10 on Raspberry 12. Wireless Video Surveillance Robot Using Raspberry Pi 13. IoT-Based Smart Camera 14. IoT-Based Dust Sampler and Air Quality Monitoring System

Microcontrollers - Raj Kamal 2009

The book focuses on 8051 microcontrollers and prepares the students for system development using the 8051 as well as 68HC11, 80x96 and lately popular ARM family microcontrollers. A key feature is the clear explanation of the use of RTOS, software building blocks, interrupt handling mechanism, timers, IDE and interfacing circuits. Apart from the general architecture of the microcontrollers, it also covers programming, interfacing and system design aspects.

From Machine-to-Machine to the Internet of Things - Vlasios Tsiatsis 2014

This book outlines the background and overall vision for the Internet of Things (IoT) and Machine-to-Machine (M2M) communications and services, including major standards. Key technologies are described, and include everything from physical instrumentation of devices to the cloud infrastructures used to collect data. Also included is how to derive information and knowledge, and how to integrate it into enterprise processes, as well as system architectures and regulatory requirements. Real-world service use case studies provide the hands-on knowledge needed to successfully develop and implement M2M and IoT technologies sustainably and profitably.

Finally, the future vision for M2M technologies is described, including prospective changes in relevant standards. This book is written by experts in the technology and business aspects of Machine-to-Machine and Internet of Things, and who have experience in implementing solutions. Standards included: ETSI M2M, IEEE 802.15.4, 3GPP (GPRS, 3G, 4G), Bluetooth Low Energy/Smart, IETF 6LoWPAN, IETF CoAP, IETF RPL, Power Line Communication, Open Geospatial Consortium (OGC) Sensor Web Enablement (SWE), ZigBee, 802.11, Broadband Forum TR-069, Open Mobile Alliance (OMA) Device Management (DM), ISA100.11a, WirelessHART, M-BUS, Wireless M-BUS, KNX, RFID, Object Management Group (OMG) Business Process Modelling Notation (BPMN) Key technologies for M2M and IoT covered: Embedded systems hardware and software, devices and gateways, capillary and M2M area networks, local and wide area networking, M2M Service Enablement, IoT data management and data warehousing, data analytics and big data, complex event processing and stream analytics, knowledge discovery and management, business process and enterprise integration, Software as a Service and cloud computing Combines both technical explanations together with design features of M2M/IoT and use cases. Together, these descriptions will assist you to develop solutions that will work in the real world Detailed description of the network architectures and technologies that form the basis of M2M and IoT Clear guidelines and examples of M2M and IoT use cases from real-world implementations such as Smart Grid, Smart Buildings, Smart Cities, Participatory Sensing, and Industrial Automation A description of the vision for M2M and its evolution towards IoT

Sand to Silicon - Shivanand Kanavi 2004

Web Technologies - Jeffrey C. Jackson 2007

"Web Technologies illuminates the fundamental principles and technologies of the World Wide Web, helping students master contemporary Web development and understand emerging Web innovations."--BOOK JACKET.

Internet of Things - Rajkumar Buyya 2016-05-11

Internet of Things: Principles and Paradigms captures the state-of-the-art research in Internet of Things, its applications, architectures, and technologies. The book identifies potential future directions and technologies that facilitate insight into numerous scientific, business, and consumer applications. The Internet of Things (IoT) paradigm promises to make any electronic devices part of the Internet environment. This new paradigm opens the doors to new innovations and interactions between people and things that will enhance the quality of life and utilization of scarce resources. To help realize the full potential of IoT, the book addresses its numerous challenges and develops the conceptual and technological solutions for tackling them. These challenges include the development of scalable architecture, moving from closed systems to open systems, designing interaction protocols, autonomic management, and the privacy and ethical issues around data sensing, storage, and processing. Addresses the main concepts and features of the IoT paradigm Describes different architectures for managing IoT platforms Provides insight on trust, security, and privacy in IoT environments Describes data management techniques applied to the IoT environment Examines the key enablers and solutions to enable practical IoT systems Looks at the key developments that support next generation IoT platforms Includes input from expert contributors from both academia and industry on building and deploying IoT

platforms and applications

Cyber-Physical Systems and Industry 4.0 - Dinesh Goyal
2022-02-17

This new work explores the growth of information and communication technologies with an emphasis on cyber-physical systems and security management of these systems. This volume discusses and analyzes the various effective practical applications of CPS, which involves the integration of the physical process with embedded computation and network monitoring along with feedback loops from physical systems. The authors identify the best set of applications and discuss the drawbacks of existing systems. The book provides a broad outlook on the applications of cyber-physical systems along with case studies and examples in healthcare, automotive electronics, industrial automation, environment monitoring, agriculture, and applications in civil and mechanical sectors. Topics include using an energy management system in smart grids, implementing an intelligent traffic management system, warehouse tracking and monitoring, medical cyber-physical systems security, remote healthcare monitoring, and more.

Mathematical Elements for Computer Graphics - David F. Rogers 1990

This text is ideal for junior-, senior-, and graduate-level courses in computer graphics and computer-aided design taught in departments of mechanical and aeronautical engineering and computer science. It presents in a unified manner an introduction to the mathematical theory underlying computer graphic applications. It covers topics of keen interest to students in engineering and computer science: transformations, projections, 2-D and 3-D curve definition schemes, and surface definitions. It also

includes techniques, such as B-splines, which are incorporated as part of the software in advanced engineering workstations. A basic knowledge of vector and matrix algebra and calculus is required.

Mastering HTML 4.0 - Deborah S. Ray 1997

In-depth coverage is given of the hottest new HTML topics, from Cascading Style Sheet layers, Dynamic HTML, Active Server Pages, and "push" technology to the latest word on customizing Windows 98 using HTML. The CD-ROM includes the book's HTML reference in the "Modern Age" format and key HTML code and utilities.

Data Mining and Machine Learning Applications - Rohit Raja 2022-01-26

DATA MINING AND MACHINE LEARNING APPLICATIONS The book elaborates in detail on the current needs of data mining and machine learning and promotes mutual understanding among research in different disciplines, thus facilitating research development and collaboration. Data, the latest currency of today's world, is the new gold. In this new form of gold, the most beautiful jewels are data analytics and machine learning. Data mining and machine learning are considered interdisciplinary fields. Data mining is a subset of data analytics and machine learning involves the use of algorithms that automatically improve through experience based on data. Massive datasets can be classified and clustered to obtain accurate results. The most common technologies used include classification and clustering methods. Accuracy and error rates are calculated for regression and classification and clustering to find actual results through algorithms like support vector machines and neural networks with forward and backward propagation. Applications include fraud detection, image processing, medical diagnosis, weather prediction, e-

commerce and so forth. The book features: A review of the state-of-the-art in data mining and machine learning, A review and description of the learning methods in human-computer interaction, Implementation strategies and future research directions used to meet the design and application requirements of several modern and real-time applications for a long time, The scope and implementation of a majority of data mining and machine learning strategies. A discussion of real-time problems. Audience Industry and academic researchers, scientists, and engineers in information technology, data science and machine and deep learning, as well as artificial intelligence more broadly.

Smart Agriculture Automation Using Advanced Technologies

- Amitava Choudhury 2022-01-01

This book addresses the challenges for developing and emerging trends in Internet-of-Things (IoT) for smart agriculture platforms. It also describes data analytics & machine learning, cloud architecture, automation & robotics and aims to overcome existing barriers for smart agriculture with commercial viability. It discusses IoT-based monitoring systems for analyzing the crop environment, and methods for improving the efficiency of decision-making based on the analysis of harvest statistics. The book explores a range of applications including intelligent field monitoring, intelligent data processing and sensor technologies, predictive analysis systems, crop monitoring, and weather data-enabled analysis in IoT agro-systems. This volume will be helpful for engineering and technology experts and researchers, as well as for policy-makers.

Embedded System Design - Frank Vahid 2001-10-17

This book introduces a modern approach to embedded system design, presenting software design and hardware

design in a unified manner. It covers trends and challenges, introduces the design and use of single-purpose processors ("hardware") and general-purpose processors ("software"), describes memories and buses, illustrates hardware/software tradeoffs using a digital camera example, and discusses advanced computation models, controls systems, chip technologies, and modern design tools. For courses found in EE, CS and other engineering departments.

Mobile Computing - Raj Kamal 2007

Mobile Computing provides a comprehensive coverage of both the communication and computing aspects. The student-friendly style, numerous illustrative examples and exercises for each topic discussed make the text ideal for classroom learning. Mobile Computing is designed to serve as a textbook for students in the disciplines of computer science and engineering, electronics and communication engineering, and information technology. It describes the basic concepts of mobile computing and provides technical information about the various aspects of the subject as also the latest technologies that are currently in use. The first few chapters present a balanced view of mobile computing as well as mobile communication, including the 2G and 3G communication systems, mobile IP, and mobile TCP. The subsequent chapters provide a systematic explanation of mobile computing as a discipline in itself. The book provides an in-depth coverage of databases in mobile systems, methods of data caching, dissemination and synchronization, Bluetooth, IrDA and ZigBee protocols, data security, mobile ad hoc and wireless sensor networks, and programming languages and operating systems for mobile computing devices. Written in an easy-to-understand and student-friendly manner, the book

includes several illustrative examples and sample codes. A comprehensive set of exercises is included at the end of each chapter.

Web Technologies - Uttam Kumar Roy 2010

Web Technologies is specially designed as a textbook for undergraduate students of Computer Science & Engineering and Information Technology and postgraduate students of Computer Applications. The book seeks to provide a thorough understanding of fundamentals of Web Technologies. Divided into four sections, the book first introduces basic concepts such as Introduction to Web, HTTP, Java Network Programming, HTML, and Cascading Style Sheets (CSS). The following three sections describe various applications of web technologies, namely, XML, client-side scripting, and server-side scripting. The second section on XML Technologies focuses on concepts such as XML Namespace, DTD, and Schema, parsing in XML, concept of XPath, XML Transformation and other XML technologies. The third section dealing with client-side programming includes

JavaScript and Applets and the last section introduces server-side programming including CGI, Servlets, JSP, and Introduction to J2EE. Presenting the concepts in comprehensive and lucid manner, the book includes numerous real-world examples and codes for better understanding of the subject. Moreover, the text is supported with illustrations, screenshots, review questions, and exercises.

Chicago Tribune Index - 2000

The Guardian Index - 2003

Mauritius Internet, E-Commerce Investment and Business Guide Volume 1 Strategic Information, Programs, Regulations, Contacts - IBP, Inc. 2018-09-30

Mauritius Internet and E-Commerce Investment and Business Guide - Strategic and Practical Information: Regulations and Opportunities

Web Technologies: Html, Javascript, Php, Java, Jsp, Asp.Net, Xml And Ajax, Black Book (With Cd) - Kogent Learning Solutions Inc. (with Cd) 2009-09-01