
Bharathiar University Coimbatore M Sc Computer Science

Sree Ramu College

Handbook of Research on Machine and Deep Learning Applications for Cyber Security

Understanding Machine Learning

Customized sorts of Zirconia as catalyst/s: Towards various organic transformation/s
Organic Chemistry

Handbook of Research on Advances and Applications of Fuzzy Sets and Logic
Incorporating the Internet of Things in Healthcare Applications and Wearable Devices
VUCA and Other Analytics in Business Resilience

Advances in Engineering Research and Application

Improving Library Systems with AI: Applications, Approaches, and Bibliometric Insights

Neuroleadership Development and Effective Communication in Modern Business

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Handbook of Research on Machine and Deep Learning Applications for Cyber Security Pearson Education India

This book constitutes the proceedings of the International Conference on Information and Communication Technologies held in Kochi, Kerala, India in September 2010.

Understanding Machine Learning

Academic Guru Publishing House
The Most Authentic Source Of
Information On Higher Education In India
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Impart General, Technical And
Professional Education In India. Although
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Available In The Market, The Distinct
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Makes It One Of Its Kind, Is That It Also
Includes Entries And Details Of The
Private Universities Functioning Across
The Country. In This Handbook, The

Universities Have Been Listed In An
Alphabetical Order. This Facilitates Easy
Location Of Their Names. In Addition To
The Brief History Of These Universities,
The Present Handbook Provides The
Names Of Their Vice-Chancellor,
Professors And Readers As Well As Their
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Acquaints The Readers With The Various
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Institutions Will Find It Highly Valuable.

Customized sorts of Zirconia as catalyst/s: Towards various organic transformation/s IGI Global

Machine learning (ML) is a subfield of AI that allows computers to "self-learn" from data sets without being specifically designed for this purpose. Algorithms that use machine learning can analyse data and figure out what to expect in the future based on what they've learned. In a nutshell, algorithms and models used in machine learning acquire knowledge via repetition and experimentation. Traditional programming entails a computer engineer writing a set of instructions for a computer to follow in order to convert a given set of input data into a specified set of output data. Most commands follow an IF-THEN format: the

computer does something when a given condition is satisfied. Yet, computers may learn from their own experiences and solve issues with little human intervention via a process called machine learning. Machine learning & artificial intelligence are often confused, although they are really very distinct. Machine learning is a branch of AI that allows intelligent systems to independently learn new things from data, although AI as a whole refers to robots that can make choices, acquire new skills, and solve problems in a human-like fashion. This book will explain how machine learning may be used on large datasets to provide accurate results that far beyond those of people. It may help you save time & money on analyses and duties like

automating support tickets and data mining from the internal sources and the whole internet, as well as fixing consumer pain points to increase customer happiness.

Organic Chemistry Springer Nature

A quest for knowledge is referred to as a "research" in everyday language. A systematic and scientific search for relevant knowledge on a certain subject may also be referred to as research. In reality, scientific inquiry itself is an art form that involves research. Some individuals see research as a progression, one that goes from the familiar to the strange. This trip is a true exploration. Inquisitiveness is a fundamental human trait since it compels us to wonder and investigate in order to get a deeper and deeper grasp

of the world around us. Curiosity is the seed from which all knowledge grows, and the process by which humans learn about the world is what we call research. Research is often defined as the use of scientific inquiry to address and resolve issues. The scientific technique of analysis is carried out in a methodical, systematic, and intensive manner. Knowledge may be acquired in a variety of ways. There are several valid modes of reasoning, including intuition, revelation, authority, logical manipulations of fundamental assumptions, educated guessing, observation, and comparison. Empirical research is a kind of research that emphasizes concrete outcomes. There are many tiers of instruction for the research process. This book is written for

those who are unfamiliar with research and may have some kind of mental block about getting started.

Handbook of Research on Advances and Applications of Fuzzy Sets and Logic

Signpost Celfon. In Technology

Throughout the world, there is an increasing demand on diminishing natural resources in the industrial, transport, commercial, and residential sectors. Of these, the residential sector uses the most energy on such needs as lighting, water heating, air conditioning, space heating, and refrigeration. This sector alone consumes one-third of the total primary energy resources available. By using green building and smart automation techniques, this demand for energy resources can be lowered. Green Building Management and Smart

Automation is an essential scholarly publication that provides an in-depth analysis of design technologies for green building and highlights the smart automation technologies that help in energy conservation, along with various performance metrics that are necessary to facilitate a building to be known as a “Green Smart Building.” Featuring a range of topics such as environmental quality, energy management, and big data analytics, this book is ideal for researchers, engineers, policymakers, government officials, architects, and students.

Incorporating the Internet of Things in Healthcare Applications and Wearable Devices Sarup & Sons

This book provides an insight into ways of inculcating the need for applying

mobile edge data analytics in bioinformatics and medicine. The book is a comprehensive reference that provides an overview of the current state of medical treatments and systems and offers emerging solutions for a more personalized approach to the healthcare field. Topics include deep learning methods for applications in object detection and identification, object tracking, human action recognition, and cross-modal and multimodal data analysis. High performance computing systems for applications in healthcare are also discussed. The contributors also include information on microarray data analysis, sequence analysis, genomics based analytics, disease network analysis, and techniques for big data Analytics and health information

technology.

VUCA and Other Analytics in Business Resilience IGI Global

PES College of Engineering is organizing an International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT-12) in Mandya and merging the event with Golden Jubilee of the Institute. The Proceedings of the Conference presents high quality, peer reviewed articles from the field of Electronics, Computer Science and Technology. The book is a compilation of research papers from the cutting-edge technologies and it is targeted towards the scientific community actively involved in research activities.

Advances in Engineering Research and Application AG PUBLISHING

HOUSE (AGPH Books)

Fuzzy sets have experienced multiple expansions since their conception to enhance their capacity to convey complex information. Intuitionistic fuzzy sets, image fuzzy sets, q-rung orthopair fuzzy sets, and neutrosophic sets are a few of these extensions. Researchers and academics have acquired a lot of information about their theories and methods for making decisions. However, only a small number of research findings discuss how neutrosophic sets theory and their extensions (NSTEs) are used in education. The Handbook of Research on the Applications of Neutrosophic Sets Theory and Their Extensions in Education implements fresh scientific approaches to enhance the quality of decisions under neutrosophic

environments, particularly within education. Covering key topics such as data modeling, educational technologies, decision making, and learning management systems, this major reference work is ideal for instructional designers, researchers, academicians, scholars, practitioners, instructors, and students.

Improving Library Systems with AI: Applications, Approaches, and Bibliometric Insights Academic Guru Publishing House

Specialists from different disciplines and continents to provide answers discuss organizational justice, sustainable HR, machine learning, and more, providing future roadmaps to minimise disruption during occurrences like the COVID-19-related worldwide catastrophe and the

ramifications for managers and policymakers.

Neuroleadership Development and Effective Communication in Modern Business APH Publishing

In the world of mathematics and computer science, technological advancements are constantly being researched and applied to ongoing issues. Setbacks in social networking, engineering, and automation are themes that affect everyday life, and researchers have been looking for new techniques in which to solve these challenges. Graph theory is a widely studied topic that is now being applied to real-life problems. The Handbook of Research on Advanced Applications of Graph Theory in Modern Society is an essential reference source that discusses

recent developments on graph theory, as well as its representation in social networks, artificial neural networks, and many complex networks. The book aims to study results that are useful in the fields of robotics and machine learning and will examine different engineering issues that are closely related to fuzzy graph theory. Featuring research on topics such as artificial neural systems and robotics, this book is ideally designed for mathematicians, research scholars, practitioners, professionals, engineers, and students seeking an innovative overview of graphic theory.

Dental Caries Springer Science & Business Media

The internet of things (IoT) has had a major impact on academic and industrial fields. Applying these technologies to

healthcare systems reduces medical costs while enriching the patient-centric approach to medicine, allowing for better overall healthcare proficiency. However, usage of IoT in healthcare is still suffering from significant challenges with respect to the cost and accuracy of medical sensors, non-standard IoT system architectures, assorted wearable devices, the huge volume of generated data, and interoperability issues. Incorporating the Internet of Things in Healthcare Applications and Wearable Devices is an essential publication that examines existing challenges and provides solutions for building smart healthcare systems with the latest IoT-enabled technology and addresses how IoT improves the proficiency of healthcare with respect to wireless

sensor networks. While highlighting topics including mobility management, sensor integration, and data analytics, this book is ideally designed for computer scientists, bioinformatics analysts, doctors, nurses, hospital executives, medical students, IT specialists, software developers, computer engineers, industry professionals, academicians, researchers, and students seeking current research on how these emerging wireless technologies improve efficiency within the healthcare domain.

Environmental Science, 2/e IGI Global
“A HAPPY MOUTH IS... A HAPPY BODY.”
Shiny teeth brighten your Healthy Smile.
Explore the intricate world of dental science and the battle against tooth decay in this comprehensive guide.

Delve into prevention, the impact of oral health on overall well-being, and the power of knowledge, illustrated with clarity and backed by extensive research and heartfelt acknowledgments.

Process Of Research Methodology IGI

Global

Location-aware computing is a technology that uses the location (provides granular geographical information) of people and objects to derive contextual information. Today, one can obtain this location information free of cost through smartphones. Smartphones with location enabled applications have revolutionized the ways in which people perform their activities and get benefits from the automated services. It especially helps to get details of services in less time;

wherever the user may be and whenever they want. The need for smartphones and location enabled applications has been growing year after year. Nowadays no one can leave without their phone; the phone seemingly becomes one of the parts of the human body. The individual can now be predicted by their phone and the identity of the phone becomes the person's identity. Though there is a tremendous need for location-enabled applications with smartphones, the debate on privacy and security related to location data has also been growing. Privacy and Security Challenges in Location Aware Computing provides the latest research on privacy enhanced location-based applications development and exposes the necessity of location privacy preservation, as well as issues

and challenges related to protecting the location data. It also suggests solutions for enhancing the protection of location privacy and therefore users' privacy as well. The chapters highlight important topic areas such as video surveillance in human tracking/detection, geographical information system design, cyberspace attacks and warfare, and location aware security systems. The culmination of these topics creates a book that is ideal for security analysts, mobile application developers, practitioners, academicians, students, and researchers.

Advances in Computational Toxicology IGI Global

Fuzzy logic, which is based on the concept of fuzzy set, has enabled scientists to create models under conditions of imprecision, vagueness, or

both at once. As a result, it has now found many important applications in almost all sectors of human activity, becoming a complementary feature and supporter of probability theory, which is suitable for modelling situations of uncertainty derived from randomness. Fuzzy mathematics has also significantly developed at the theoretical level, providing important insights into branches of traditional mathematics like algebra, analysis, geometry, topology, and more. With such widespread applications, fuzzy sets and logic are an important area of focus in mathematics. The Handbook of Research on Advances and Applications of Fuzzy Sets and Logic studies recent theoretical advances of fuzzy sets and numbers, fuzzy systems, fuzzy logic and their generalizations,

extensions, and more. This book also explores the applications of fuzzy sets and logic applied to science, technology, and everyday life to further provide research on the subject. This book is ideal for mathematicians, physicists, computer specialists, engineers, practitioners, researchers, academicians, and students who are looking to learn more about fuzzy sets, fuzzy logic, and their applications.

Handbook of Universities AG PUBLISHING HOUSE (AGPH Books)

Analytical tools and algorithms are essential in business data and information systems. Efficient economic and financial forecasting in machine learning techniques increases gains while reducing risks. Providing research on predictive models with high accuracy,

stability, and ease of interpretation is important in improving data preparation, analysis, and implementation processes in business organizations. Machine Learning Techniques for Improved Business Analytics is a collection of innovative research on the methods and applications of artificial intelligence in strategic business decisions and management. Featuring coverage on a broad range of topics such as data mining, portfolio optimization, and social network analysis, this book is ideally designed for business managers and practitioners, upper-level business students, and researchers seeking current research on large-scale information control and evaluation technologies that exceed the functionality of conventional data

processing techniques.

Deep Learning and Edge Computing
Solutions for High Performance
Computing CRC Press

This book is an attempt to amalgamate synthetic organic chemistry. It is written by a synthetic organic chemist who happens to also think deeply about mechanisms and understands the importance of knowledge structure and reactivity to synthetic organic chemistry. During recent years, stereochemistry has undergone phenomenal growth both in theory and practice, with a concomitant increase of interest among organic chemists, biological chemists, medicinal chemists, and pharmacologists. The present text provides an up-to-date, coherent; and comprehensive account of the subject

starting from the fundamentals and leading up to the latest developments as far as practicable.

**Techniques and Applications for
Advanced Information Privacy and
Security: Emerging Organizational,
Ethical, and Human Issues** Shanlax
Publications

This book is an introduction to Java programming for beginners. It is tailored for students preparing for the Computer Science, but it is for anyone who wants to learn Java. This is an easy-to-follow textbook that guides the beginning programmer step-by-step through the process of learning Java. This book helps you learn the language basics, AWT, Networking and some chapters on Servlet, JSP, plus covering some analysis. The main obstacle to learning

object-oriented programming is the volume of interdependent detail that needs to be learned before even the simplest program can be created. This text eliminates extraneous details early on and stresses object concepts that will provide a basis for students to become expert programmers. Classes, objects, and working programs are introduced at the outset, and programming is presented as extended problem solving, making it easier to understand. Advanced Java Programming is the perfect text for anyone new to Java who wants a comprehensive, easy-to-comprehend reference. The main aim of this book is to provide easy understanding of the concepts for the beginners. The topics covered in this book have been chosen keeping in view

the fundamentals ideas required for the students of computer science. Examples have been given at appropriate places.

International Perspectives and Strategies for Managing an Aging Workforce

Blue Rose Publishers

Every nurse, regardless of whether he or she is a student, nurse educator, or clinical nurse, must adhere to nursing ethics according to the needs of the workplace. This book discusses ethics, values, principles, legal litigations, bioethics. and ethical and legal issues in specific areas of nursing, such as nursing education, nursing administration and management, nursing research, obstetrics and gynecology, psychiatric nursing, paediatric nursing, community health nursing, and medical surgical nursing, including oncology, intensive

care, and geriatric nursing. Numerous examples are provided to assist students in answering ethical queries and instilling ethical behavior. Nurses advocate for health promotion, educate patients and the public about disease and injury prevention, provide care and aid in healing, participate in rehabilitation, and offer support. No other health care professional has such a diverse and extensive role as the physician. The range of emotional, physical, mental, and cultural experiences families encounter during health and illness is explained by nurses in order to assist them in learning how to become healthy. Nurses assist patients and their families in coping with and, if necessary, living with illness, so that other aspects of their lives may

continue. Nurses provide more than just care for patients. They have always been at the vanguard of change in health care and public health, and this book is devoted to the process of adopting ethical and lawful conduct throughout a nursing career

Privacy and Security Challenges in Location Aware Computing Springer Nature

In the ever-changing world of engineering, the confluence of Augmented Reality (AR) and Virtual Reality (VR) promises a revolutionary frontier; one that has the potential to remodel the fundamental fabric of our designed world. As our society approaches the genesis of a new age, the need for the study of this burgeoning technology becomes clear.

If harnessed properly, AR and VR have the capacity to revolutionize basic aspects of engineering methods. The combination of AR and VR can tackle the rising difficulties that engineers encounter in their design processes by providing improved tools for visualization and conceptualization. Navigating the Augmented and Virtual Frontiers in Engineering, is a thorough examination of the transformational impact of AR and VR in the vast field of engineering. This book explores the fundamental concepts, practical applications, and significant consequences of

incorporating AR and VR technology into numerous engineering disciplines. It provides a comprehensive knowledge of how these immersive technologies are used in design processes, training simulations, maintenance procedures, and collaborative engineering projects. Covering topics such as asset management, geographic analysis, and sustainability, this book is an excellent resource for engineers, researchers, technological developers, postgraduate students, educators, academicians, and more.

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