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Implement machine learning and deep learning methodologies to build smart, cognitive AI projects using Python Key FeaturesA go-to guide to help you master AI algorithms and concepts8 real-world projects tackling different challenges in healthcare, e-commerce, and surveillanceUse TensorFlow, Keras, and other Python libraries to implement smart AI applicationsBook Description This book will be a perfect companion if you want to build insightful projects from leading AI domains using Python. The book covers detailed implementation of projects from all the core disciplines of AI. We start by covering the basics of how to create smart systems using machine learning and deep learning techniques. You will assimilate various neural network architectures such as CNN, RNN, LSTM, to solve critical new world challenges. You will learn to train a model to detect diabetic retinopathy conditions in the human eye and create an intelligent system for performing a video-to-text translation. You will use the transfer learning technique in the healthcare domain and implement style transfer using GANs. Later you will learn to build AI-based recommendation systems, a mobile app for sentiment analysis and a powerful chatbot for carrying customer services. You will implement AI techniques in the cybersecurity domain to generate Captchas. Later you will train and build autonomous vehicles to self-drive using reinforcement learning. You will be using libraries from the Python ecosystem such as TensorFlow, Keras and more to bring the core aspects of machine learning, deep learning, and AI. By the end of this book, you will be skilled to build your own smart models for tackling any kind of AI problems without any hassle. What you will learnBuild an intelligent machine translation system using seq-2-seq neural translation machinesCreate AI applications using GAN and deploy smart mobile apps using TensorFlowTranslate videos into text using CNN and RNNImplement smart AI Chatbots, and integrate and extend them in several domainsCreate smart reinforcement, learning-based applications using Q-LearningBreak and generate CAPTCHA using Deep Learning and Adversarial Learning

Who this book is for This book is intended for data scientists, machine learning professionals, and deep learning practitioners who are ready to extend their knowledge and potential in AI. If you want to build real-life smart systems to play a crucial role in every complex domain, then this book is what you need.

Knowledge of Python programming and a familiarity with basic machine learning and deep learning concepts are expected to help you get the most out of the book

In this enigmatic, surreal, wonderfully entertaining tale, three mysterious figures set out from Willowdale, travelling by handcar. On the way to nowhere in particular they pass a number of odd characters and observe a series of baffling phenomena, from a house burning down in a field to a palatial mansion perched precariously on a bluff. At once deeply vexing and utterly hilarious, darkly mysterious and utterly absurd, *The Willowdale Handcar* is vintage Edward Gorey.

"In the post-9/11 struggle for a sane global vision, this antihatred manifesto could not be more timely."--O: The Oprah Magazine In this acclaimed volume, Pulitzer-Prize nominated science writer Rush W. Dozier Jr. demystifies our deadliest emotion--hate. Based on the most recent scientific research in a range of fields, from anthropology to zoology, *Why We Hate* explains the origins and manifestations of this toxic emotion and offers realistic but hopeful suggestions for defusing it. The strategies offered here can be used in both everyday life to improve relationships with family and friends as well as globally in our efforts to heal the hatreds that fester within and among nations of the world.

How to Pass OSCP Series: Windows Privilege Escalation Step-By-Step Guide

An American Perspective

Child Psychopathology, Third Edition

Primitive Societies

Moon

Drawing on a wide range of case studies, Richard English argues that we have as yet failed to understand terrorism properly, and that this is at the root of our disastrous failure to respond effectively to terrorism in the post-9/11 crisis.

This volume provides insight into the social, cultural, economic, historical, and religious practices of countries in Central, South, and Southeast Asia.

Explores various theories on the creation and nature of the universe and examines the properties and interrelationship of the stars and planets, specifically the sun and earth.

Kinanthropometry and Exercise Physiology

The Australian Official Journal of Trademarks

Hard Drive Bible

Role of U.S. Correspondent Banking in International Money Laundering

High Integrity Software

"Collection of games aimed at enhancing children's self-awareness and social and emotional skills, helping them understand and deal with problems in daily interactions with other children and adults"--Provided by publisher.

Offers a collection of true facts about animals, food, science, pop culture, outer space, geography, and weather.

This book is the first of a series of How To Pass OSCP books and focus on techniques used in Windows Privilege Escalation. This is a step-by-step guide that walks you through the whole process of how to escalate privilege in Windows environment using many common techniques.

We start by gathering as much information about the target as possible either manually or using automated scripts. Next, we search for misconfigured services or scheduled tasks, insufficient file permission on binaries or services, vulnerable kernel, vulnerable software running with high privileges, sensitive information stored on local files, credential saved in the memory, registry settings that always elevate privileges before executing a binary, hard-coded credential contained in the application configuration files, and many more. Table of Contents Introduction Section One: Windows Configuration Chapter 1: AlwaysInstallElevated Section Two: Domain Controller Chapter 2: Zerologon Section Three: Windows Service Chapter 3: Service - Insecure File Permission Chapter 4: Service - Unquoted Path Chapter 5: Service - Bin Path Chapter 6: Service - Registry Chapter 7: Service - DLL Hijacking Section Four: Scheduled Tasks Chapter 8: Scheduled Tasks Section Five: Windows Registry Chapter 9: Autorun Chapter 10: Startup Applications Section Six: Windows Kernel Chapter 11: Kernel - EternalBlue Chapter 12: Kernel - MS15-051 Chapter 13: Kernel - MS14-058 Section Seven: Potato Exploits Chapter 14: Juicy Potato Chapter 15: Rogue Potato Section Eight: Password Mining Chapter 16: Password Mining - Memory Chapter 17: Password Mining - Registry Chapter 18: Password Mining - SiteList Chapter 19: Password Mining - Unattended Chapter 20: Password Mining - Web.config Section Nine: UAC Bypass Chapter 21: User Account Control Bypass For more information, please visit <http://www.howtopassosecp.com/>.

Japanese Construction

The Transition to Independence

Weird But True!, Level 1

Intelligent Projects Using Python

Origins of the Universe

This book provides an accessible introduction to the SPARK programming language. Updated 'classic' that covers all of the new features of SPARK, including Object Oriented Programming. The only book on the market that covers this important and robust programming language. CD-ROM contains the main SPARK tools and additional manuals giving all the information needed to use SPARK in practice. Technology: The SPARK language is aimed at writing reliable software that combines simplicity and rigour within a practical framework. Because of this, many safety-critical, high integrity systems are developed using SPARK. User Level: Intermediate Audience: Software engineers, programmers, technical leaders, software managers. Engineering companies in fields such as avionics, railroads, medical instrumentation and automobiles. Academics giving MSc courses in Safety Critical Systems Engineering, System Safety Engineering, Software Engineering. Author Biography: John Barnes is a veteran of the computing industry. In 1977 he designed and implemented the RTL/2 programming language and was an original member of the ADA programming language design team. He was founder and MD of Alsys Ltd from 1985 to 1991. Currently self employed, John is the author of 'Programming in ADA' which has sold 150000 copies and been translated into 6 languages.

The essential guide for the collector of mechanical wristwatches, with complete information on over 1,400 models from some 130 international brands With Wristwatch Annual, collectors have at hand a wealth of information on the latest offerings from today's most important watch producers, from Swiss mainstays like Rolex and Patek Philippe to the maverick independent brands springing up across Europe and the U.S. The book is arranged alphabetically by producer, and the movement, functions, case, band, price, and variations of each pictured watch are fully described. This year's edition, like its predecessors, will feature a variety of additional articles on independent watchmaking, key personalities in the watch world, and the technical aspects of horology. An illustrated glossary and a primer on watch care help acclimate the reader to the world of fine timepieces.

He was a small-town boy who burst onto the international golf scene with a dramatic hook shot from deep in the woods to win the Masters— before the game he loved almost killed him. Opening up about the toll that chasing and achieving his dream of being a champion golfer took on his mental health, Bubba Watson shares his powerful story of the breaking point that gave him clarity. Bubba Watson is known as the big-hitting left-handed golfer who plays with the pink driver—the small-town kid who grew up as a child golf prodigy before going on to win two Masters Tournaments, competing in the Olympics, and rising to be the number two golfer in the world. But every dream comes with a price. Feeling that he was never good enough, Bubba began to let the constant criticism from fans and commentators haunt his thoughts. Success in the game he loved was killing him. In Up and Down, Bubba opens up about his debilitating anxiety attacks, the death of his father and namesake, adopting his children, and how reaching a breaking point professionally and personally drew him closer to his family and God. Golf is what Bubba Watson does, but it is not who he is. Through his story, you'll learn how Bubba: Overcame his anxiety and feelings of inadequacy Found his true identity not in the standards of the world, but in the God who already knows he is enough Learned to trust God with his gifts, family, and biggest dreams Became the husband, father, friend, and mentor he was called to be Life, like golf, is filled with ups and downs. Up and Down is the inspiring story of an imperfect man striving to become the best person he can be—wherever the course may take him.

Why We Hate

Britain at the Heart of Europe

Learning, Growing, Getting Along (ages 6 to 12)

Wristwatch Annual 2020: The Catalog of Producers, Prices, Models, and Specifications

9 real-world AI projects leveraging machine learning and deep learning with TensorFlow and Keras

Revision of the 1989 book *The compact disk*; a handbook of theory and use. A technical discussion of the system. Annotation copyrighted by Book News, Inc., Portland, OR

A thorough guide to Linux TCP/IP network administration examines the major flavors of Linux; covers routing, file management, directory services, e-mail, security, and internetworking with Samba; and provides implementation examples, troubleshooting tips, and much more. Original. (Advanced).

Affective Health and Masculinities in South Africa explores how different masculinities modulate substance use, interpersonal violence, suicidality, and AIDS as well as recovery cross-culturally. With a focus on three male protagonists living in very distinct urban areas of Cape Town, this comparative ethnography shows that men 's struggles to become invulnerable increase vulnerability. Through an analysis of masculinities as social assemblages, the study shows how affective health problems are tied to modern individualism rather than African ' tradition ' that has become a clich é in Eurocentric gender studies. Affective health is conceptualized as a balancing act between autonomy and connectivity that after colonialism and apartheid has become compromised through the imperative of self-reliance. This book provides a rare perspective on young men 's vulnerability in everyday life that may affect the reader and spark discussion about how masculinities in relationships shape physical and psychological health. Moreover, it shows how men change in the face of distress in ways that may look different than global health and gender-transformative approaches envision. Thick descriptions of actual events over the life course make the study accessible to both graduate and undergraduate students in the social sciences. Contributing to current debates on mental health and masculinity, this volume will be of interest to scholars from various disciplines including anthropology, gender studies, African studies, psychology, and global health.

Victories and Struggles in the Course of Life

Foundations of the Vocational Rehabilitation Process

Trademarks, Service Marks, Etc

Decisions of the Commissioner of Patents

A Moment in Time

A Moment in Time is a romantic thriller about two people discovering each other while facing their own personal conflicts.

The Earth has limited material and energy resources. Further development of the humanity will require going beyond our planet for mining and use of extraterrestrial mineral resources and search of power sources. The exploitation of the natural resources of the Moon is a first natural step on this direction. Lunar materials may contribute to the betterment of conditions of people on Earth but they also may be used to establish permanent settlements on the Moon. This will allow developing new technologies, systems and flight operation techniques to continue space exploration. In fact, a new branch of human civilization could be established permanently on Moon in the next century. But, meantime, an inventory and proper social assessment of Moon 's prospective energy and material resources is required. This book investigates the possibilities and limitations of various systems supplying manned bases on Moon with energy and other vital resources. The book collects together recent proposals and innovative options and solutions. It is a useful source of condensed information for specialists involved in current and impending Moon-related activities and a good starting point for young researchers.

THE HARD DRIVE BIBLE, EIGHTH EDITION is the definitive reference book for anyone who deals with personal computer data storage devices of any kind. This comprehensive work covers installations, drive parameters, & set up information for thousands of Hard Disk, Optical, DAT Tape, & CD-ROM Drives. A concise history of data storage devices is followed by the most expansive compilation of technical data offered to the public today. Specifications, drawings, charts & photos cover jumper settings, cabling, partitioning & formatting of disk drives. SCSI commands & protocols are addressed, in addition to chapters revealing the intricacies of different interface standards & common troubleshooting procedures. THE HARD DRIVE BIBLE contains the answers to anyone's questions concerning the purchase, installation & use of modern digital data storage devices. The difficulties caused by compatibility mismatches are addressed & solutions are offered. Also featured are controller card information & performance ratings, as well as valuable tips on increasing drive performance & reliability through software. THE HARD DRIVE BIBLE is published by Corporate Systems Center, one of the leaders in the digital storage device field. A CD-ROM included with the book carries CSC's drive performance test software & formatting tools, as well as thousands of drive parameters, specifications, & technical drawings. To order contact: Corporate Systems Center, 1294 Hammerwood Avenue, Sunnyvale, CA 94089; 408-743-8787.

The Willowdale Handcar

Building the Panama Canal

Countries, Peoples & Cultures

101 Life Skills Games for Children

Hearings Before the Permanent Subcommittee on Investigations of the Committee on Governmental Affairs, United States Senate, One Hundred Seventh Congress, First Session, March 1, 2, and 6, 2001

Junior Theory Level 1 - a foundational music theory book specifically designed for children aged 4-7.

This highly respected reference and text on developmental psychopathology brings together leading authorities on the psychological, biological, and social-contextual determinants of child and adolescent problems. The comprehensive introductory chapter provides a state-of-the-art developmental-systems framework for understanding behavioral and emotional disturbances. Subsequent chapters synthesize the developmental bases of specific disorders. Coverage includes the characteristics, epidemiology, developmental course and outcomes, and etiological pathways of each disorder; risk and protective factors; and issues in conceptualization and diagnosis. Important unanswered questions are identified and implications for treatment and prevention considered. New to This Edition *Includes DSM-5 criteria and discussion of changes.

*Incorporates over a decade's worth of research advances in genetics, neurobiology, and other areas. *Chapters on bipolar disorder, suicide/self-injury, obsessive-compulsive spectrum disorders, and personality disorders.

Each room in Alligator's house is full of new colors and shapes to find! The littles learners will love pointing out bright shapes and colors while exploring the bright pages of this graphic novel.

An Ethnography of (In)vulnerability

Linux TCP/IP Network Administration

The Spark Approach to Safety and Security

How to Respond

Junior Theory Level 1

Fully updated, revised and consolidated into one single volume, the fourth edition of Kinanthropometry and Exercise Physiology offers the best theoretically contextualised, practical resource for instructors and students available. Incorporating substantial sections on kinanthropometry, exercise physiology, energy systems and the application of science in health and high performance settings, the book covers the basics of measurement in exercise science through to advanced methods, and includes brand new chapters on: Pre-exercise screening and health risk stratification Functional movement assessment Point of care testing Anthropometry standards Anaerobic power and capacity History of exercise for health benefits Monitoring training loads in high-performance athletes Measuring game style in team sports Offering on-line access to newly developed exercise science measurement tools through the Exercise Science Toolkit — www.exercisesciencetoolkit.com — no other book offers such a complete resource, from the science of kinanthropometry and exercise physiology to their applications in health and performance, through practical, interactive learning. This book is an essential companion for students on any sport and exercise science-related degree programme and any instructor leading practical, laboratory-based classes.

The 1970s and 1980s have been marked by turbulent times for certain portions of America's industrial base, as their dominance of many domestic and foreign markets has eroded. During such times of stress it is tempting to create scapegoats in order to rationalize shortcomings. Much is heard about the Japanese in this regard. How they have contributed to the deterioration of specific segments of American industry, how jobs in the U. S. are being lost to foreign competition, and how the resulting trade deficit will be the downfall of us all. Much of this rhetoric has been directed against the Japanese automobile manufacturers and the Japanese electronic industry, which has been accused of "dumping" product into the United States. It was not until Japan unveiled its plan to build the multi-billion dollar Kansai Airport project that Japanese restrictive bidding practices in their domestic construction market became headline news. Construction then became a popular subject for "Japan Bashing" and attention was focused on the activities of Japanese contractors around the world, and, more particularly, on their involvement in the U. S. construction market. Well, the Japanese construction companies are in the United States and have been for some time. They have been awarded many contracts for federal and municipal construction projects and they have negotiated a significant number of construction contracts in the private sector.

The Compact Disc Handbook

Up and Down

Colors & Shapes

Terrorism

Prospective Energy and Material Resources