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experienced programmer looking to get into Python or a grizzled Python veteran who remembers the days when you had to import the string module Dive Into Python is your desert island Python book If you ve never programmed before Python is an excellent language to learn modern programming techniques This is a reprint of the original 2004 publication Linux Journal ,2005 Dive Into Algorithms Bradford Tuckfield,2021-01-25 Dive Into Algorithms is a broad introduction to algorithms using the Python Programming Language Dive Into Algorithms is a wide ranging Pythonic tour of many of the world s most interesting algorithms With little more than a bit of computer programming experience and basic high school math you ll explore standard computer science algorithms for searching sorting and optimization human based algorithms that help us determine how to catch a baseball or eat the right amount at a buffet and advanced algorithms like ones used in machine learning and artificial intelligence You ll even explore how ancient Egyptians and Russian peasants used algorithms to multiply numbers how the ancient Greeks used them to find greatest common divisors and how Japanese scholars in the age of samurai designed algorithms capable of generating magic squares You ll explore algorithms that are useful in pure mathematics and learn how mathematical ideas can improve algorithms You ll learn about an algorithm for generating continued fractions one for quick calculations of square roots and another for generating seemingly random sets of numbers You ll also learn how to Use algorithms to debug code maximize revenue schedule tasks and create decision trees Measure the efficiency and speed of algorithms Generate Voronoi diagrams for use in various geometric applications Use algorithms to build a simple chatbot win at board games or solve sudoku puzzles Write code for gradient ascent and descent algorithms that can find the maxima and minima of functions Use simulated annealing to perform global optimization Build a decision tree to predict happiness based on a person s characteristics Once you ve finished this book you ll understand how to code and implement important algorithms as well as how to measure and optimize their performance all while learning the nitty gritty details of today s most powerful algorithms **Red HatRPM Guide** Eric Foster-Johnson,2002-12-01 RPM is the Linux industry standard for making application installation easy and its use is gaining mindshare amongst users and administrators of other Unix platforms Offers insight and examples to creating applications that rely upon or enhance RPM enabling users to package and deploy software in RPM format Discusses the use of RPM to manage software and examines the tools provided for user control Book will be technically reviewed by the key RPM programmer at Red Hat RED HAT PRESS TM Linux Solutions from the Experts at Red Hat Red Hat the world s leading Linux company presents a series of unrivaled guides that are reviewed and approved by the experts at Red Hat Each book is packed with invaluable tips and techniques that are ideal for everyone from beginning to advanced network and systems professionals as well as home and small businesses Mobile Python Jürgen Scheible,Ville Tuulos,2007-11-28 Mobile Python is the introduction of Python programming language to the mobile space This practical hands on book teaches readers how to realize their application ideas on the Symbian OS Programming on the Symbian mobile platform has been difficult and time consuming in the past This innovative

new title will remedy this problem Chapters deal with topics that are based on Python S60 features and presented in an order that lets the user learn first the simple to code ones and then increasing in complexity **Machine Learning and Deep Learning Using Python and TensorFlow** Venkata Reddy Konasani,Shailendra Kadre,2021-04-29 Understand the principles and practices of machine learning and deep learning This hands on guide lays out machine learning and deep learning techniques and technologies in a style that is approachable using just the basic math required Written by a pair of experts in the field Machine Learning and Deep Learning Using Python and TensorFlow contains case studies in several industries including banking insurance e commerce retail and healthcare The book shows how to utilize machine learning and deep learning functions in today s smart devices and apps You will get download links for datasets code and sample projects referred to in the text Coverage includes Machine learning and deep learning concepts Python programming and statistics fundamentals Regression and logistic regression Decision trees Model selection and cross validation Cluster analysis Random forests and boosting Artificial neural networks TensorFlow and Keras Deep learning hyperparameters Convolutional neural networks Recurrent neural networks and long short term memory **Practical Development Environments** Matthew B. Doar,Matthew Doar,2005-09-23 Everyone wants a technical environment for developing their software Containing guidelines for how to create and maintain a development environment this book discusses some of the tools covering different areas such as version control build tools testing tools bug tracking systems documentation environments release tools and maintenance *Promoting Computer Literacy Through Programming Python* John Alexander Miller,2004 **UNIX: The Complete Reference, Second Edition** Kenneth H. Rosen,Douglas A. Host,Rachel Klee,Richard R. Rosinski,2007-01-09 The Definitive UNIX Resource Fully Updated Get cutting edge coverage of the newest releases of UNIX including Solaris 10 all Linux distributions HP UX AIX and FreeBSD from this thoroughly revised one stop resource for users at all experience levels Written by UNIX experts with many years of experience starting with Bell Laboratories UNIX The Complete Reference Second Edition provides step by step instructions on how to use UNIX and take advantage of its powerful tools and utilities Get up and running on UNIX quickly use the command shell and desktop and access the Internet and e mail You ll also learn to administer systems and networks develop applications and secure your UNIX environment Up to date chapters on UNIX desktops Samba Python Java Apache and UNIX Web development are included Install configure and maintain UNIX on your PC or workstation Work with files directories commands and the UNIX shell Create and modify text files using powerful text editors Use UNIX desktops including GNOME CDE and KDE as an end user or system administrator Use and manage e mail TCP IP networking and Internet services Protect and maintain the security of your UNIX system and network Share devices printers and files between Windows and UNIX systems Use powerful UNIX tools including awk sed and grep Develop your own shell Python and Perl scripts and Java C and C programs under UNIX Set up Apache Web servers and develop browser independent Web sites and applications *Dr. Dobb's Journal* ,2002 Optical Microlithography ,2007 **Web**

Programming George Kuriakose Thiruvathukal,John P. Shafaee,Thomas W. Christopher,2002 This book is aimed at the practicing programmer seeking to use Python and Linux to rapidly develop web and enterprise services Will be especially important to those involved in e commerce programming *Computational Methods in Science and Engineering* George Maroulis,Theodore E. Simos,2009-09-02 The aim of ICCMSE 2008 is to bring together computational scientists and engineers from several disciplines in order to share methods methodologies and ideas The potential readers are all the scientists with interest in Computational Mathematics Theoretical Physics Computational Physics Theoretical Chemistry Computational Chemistry Mathematical Chemistry Computational Engineering Computational Mechanics Computational Biology and Medicine Scientific Computation High Performance Computing Parallel and Distributed Computing Visualization Problem Solving Environments Software Tools Advanced Numerical Algorithms Modelling and Simulation of Complex Systems Web based Simulation and Computing Grid based Simulation and Computing Computational Grids and Computer Science <u>The Art of Software Security Testing</u> Chris Wysopal,2007 This book delivers in depth up to date battle tested techniques for anticipating and identifying software security problems before the bad guys do book cover **The Journal of the Bombay Natural History Society** Bombay Natural History Society,1906 **TechTV Leo Laporte's 2003 Technology Almanac** Leo Laporte,Laura Burstein,2003 As co host of TechTV s hit show The Screen Savers Leo Laporte s high energy wit wisdom and style makes learning about technology easy and fun TechTV Leo Laporte s 2003 Technology Almanac a follow up to the smash hit Poor Leo s 2002 Computer Almanac includes All New content It s a one of a kind resource for every day of the year with advice tips and secrets about today s most popular technology topics In this edition you ll find An entire page dedicated to each day of the year Essential tips for mastering Windows Mac and Linux Coverage of computers MP3 players cell phones Pocket PCs networks and more Essays and anecdotes that will enlighten and inform Technology history milestones matched to each day of the year Unbelievable assortment of I didn t know that facts and figures New glossary with Leo fied definitions for all key terms Black Book section with useful company contact information

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