**MOOCs**

**Programming languages:**

C:

<https://alison.com/course/introduction-to-c-programming>

<https://alison.com/course/c-programming-fundamentals-of-numbers-variables-and-arrays>

<https://alison.com/course/c-programming-using-pointers-constants-and-strings>

<https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-087-practical-programming-in-c-january-iap-2010>

<https://onlinecourses.nptel.ac.in/noc18-cs10>

<https://onlinecourses.nptel.ac.in/noc18_cs25>

python:

<https://onlinecourses.nptel.ac.in/noc18_cs21>

<https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-189-a-gentle-introduction-to-programming-using-python-january-iap-2011>

<https://alison.com/course/introduction-to-programming-with-python>

<https://www.udemy.com/python-oops-beginners/>

java:

<https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-092-introduction-to-programming-in-java-january-iap-2010>

<https://www.udemy.com/java-programming-basics/>

<https://www.edx.org/course/introduction-java-programming-part-1-hkustx-comp102-1x-6>

<https://www.codecademy.com/learn/learn-java>

C++:

<https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-096-introduction-to-c-january-iap-2011>

<https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-s096-effective-programming-in-c-and-c-january-iap-2014>

<https://www.edx.org/course/introduction-c-microsoft-dev210x-6>

**Artificial intelligence:**

Deep learning:

<https://in.udacity.com/course/deep-learning--ud730>

<https://www.udemy.com/deep-learning-prerequisites-the-numpy-stack-in-python/>

<https://www.edx.org/course/deep-learning-explained-microsoft-dat236x-1>

paid:

<https://www.udemy.com/deeplearning>

Data science:

<https://in.udacity.com/course/intro-to-data-science--ud359>

<https://alison.com/course/data-science-course-regression-and-clustering-models-alison>

<https://www.edx.org/course/data-science-essentials-microsoft-dat203-1x-6>

paid:

<https://www.udemy.com/data-science-and-machine-learning-with-python-hands-on>

Machine learning:

<https://in.udacity.com/course/intro-to-machine-learning--ud120>

<https://alison.com/course/data-analytics-introduction-to-machine-learning>

<https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-867-machine-learning-fall-2006>

<https://onlinecourses.nptel.ac.in/noc18_cs26>

<https://www.edx.org/course/machine-learning-gtx-cs7641x-0>

paid:

<https://www.udemy.com/machine-learning-and-artificial-intelligence-with-python>

**Computer Graphics:**

Photoshop:

<https://www.udemy.com/learn-adobe-photoshop-from-scratch>

<https://alison.com/course/adobe-photoshop-cs6-essential-tools>

<https://www.udemy.com/graphic-design-for-beginners> (paid)

Adobe Illustrator:

<https://www.udemy.com/useful-tricks-and-tips-in-adobe-illustrator>

<https://www.edx.org/course/adobe-illustrator-aprende-a-crear-presentaciones-de-impacto>

<https://www.udemy.com/graphic-design-for-beginners> (paid)

<https://www.udemy.com/adobe-illustrator-training> (paid)

Corel:

<https://www.coreldraw.com/en/pages/800382.html>

<https://www.udemy.com/graphic-design-for-beginners> (paid)

After effect:

<https://www.udemy.com/15-advance-mograph-elements-with-after-effect> (paid)

<https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-837-computer-graphics-fall-2012>

<https://www.udemy.com/become-a-motion-graphic-designer-using-after-effects> (paid)

**Network and Security:**

Cisco:

<https://www.udemy.com/cisco-ccna-getting-started>

<https://www.udemy.com/chrisbryantfreeccnpswitchvideobootcamp>

Wireshark:

<https://www.udemy.com/free-wireshark-course>

<https://www.edx.org/course/computer-networks-internet-kironx-fhlcnx>

<https://www.udemy.com/wireshark> (paid)

Ethical Hacking and cyber security:

<https://www.udemy.com/computer-hacking-fundamentals>

<https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-857-network-and-computer-security-spring-2014>

<https://alison.com/course/introduction-to-computer-network-security>

<https://onlinecourses.nptel.ac.in/noc18_cs24>

<https://www.edx.org/course/cyber-security-basics-a-hands-on-approach>

Database:

Sql/plsql:

<https://www.udemy.com/introduction-to-databases-and-sql-querying>

<https://alison.com/course/databases-dml-statements-and-sql-server-administration>

<https://www.codecademy.com/learn/learn-sql>

<https://www.udemy.com/oracle-plsql-fundamentals-vol-i-ii> (paid)

SQL server:

<https://www.udemy.com/microsoft-sql-server-an-introduction>

<https://alison.com/course/databases-dml-statements-and-sql-server-administration>

<https://www.edx.org/course/developing-sql-databases-microsoft-dat215-1x-3>

Database management:

<https://www.udemy.com/database-design-and-management>

<https://onlinecourses.nptel.ac.in/noc18_cs15>

<https://www.edx.org/course/managing-sql-server-operations-microsoft-dat247x-1>

**web development:**

Html:

<https://www.w3schools.com/css/default.asp>

<https://www.freecodecamp.org/map-aside#nested-collapseHTML5andCSS>

<https://www.codecademy.com/learn/learn-html>

<https://in.udacity.com/course/html-and-css-syntax--ud001>

css:

<https://www.w3schools.com/css/default.asp>

<https://www.freecodecamp.org/map-aside#nested-collapseHTML5andCSS>

<https://www.codecademy.com/learn/learn-css>

<https://in.udacity.com/course/html-and-css-syntax--ud001>

Javascript:

<https://www.w3schools.com/js/default.asp>

<https://www.khanacademy.org/computing/computer-programming>

<https://www.freecodecamp.org/map-aside#nested-collapseBasicJavaScript>

<https://www.edx.org/course/javascript-introduction-w3cx-js-0x-0>

<https://www.codecademy.com/learn/introduction-to-javascript>

<https://in.udacity.com/course/intro-to-javascript--ud803>

Php:

<https://www.w3schools.com/php/default.asp>

<https://www.udemy.com/code-dynamic-websites>

<https://www.udemy.com/php-mysql-tutorial>

<https://www.udemy.com/learn-ajax-with-php>

.Net:

<https://www.udemy.com/design-patterns-csharp-dotnet> (paid)

<https://www.udemy.com/introduction-to-aspnet-core>

<https://www.udemy.com/dot-net-for-beginners/?src=sac&kw=.net>

**BOOK RESOURCES:**

PROGRAMMING LANGUAGES

Textbook for C:

*The C Programming Language (2nd Ed.).* One of the best-selling programming books published in the last fifty years, "K&R" has been called everything from the "bible" to "a landmark in computer science" and it has influenced generations of programmers. Available now for all leading ebook platforms, this concise and beautifully written text is a "must-have" reference for every serious programmer’s digital library.

As modestly described by the authors in the Preface to the First Edition, this "is not an introductory programming manual; it assumes some familiarity with basic programming concepts like variables, assignment statements, loops, and functions. Nonetheless, a novice programmer should be able to read along and pick up the language, although access to a more knowledgeable colleague will help."

<http://www2.cs.uregina.ca/~hilder/cs430-833/Reference%20Materials/The%20C%20Programming%20Language.pdf>

The author Ray Dawsons very pleased by the way the book has been received by students, members of the teaching staff, and by software professionals in industry. On the whole the "no nonsense" approach of getting to the point without introducing hundreds of pages of basic information on how to program has been well received.

<https://dspace.lboro.ac.uk/dspace-jspui/bitstream/2134/10054/6/Programming-in-ANSI-C.pdf>

The intention of this text is to cover topics on the C programming language and introductory software design in sequence. Ample cross-referencing and indexing is provided to make the text a serviceable reference, but more complete works are recommended. In particular, for the practicing programmer, the best available tutorial and reference is Kernighan and Ritchie [KR88] and the best in-depth reference is Harbison and Steele [HS95, HS02]. The inﬂuence of these two works on this text is readily apparent throughout.

<http://www-personal.acfr.usyd.edu.au/tbailey/ctext/ctext.pdf>

Textbook for C++:

<https://is.muni.cz/www/408176/38744863/The_C__Programming_Language__Stroustrup_.pdf>

This booked is framed by Bjarne Stroustrup, the creator of widely used C++ programming language and first published in October 1985. This book has a practitioner’s approach i.e from beginner to pro. As the standard further evolved with the standardization of language and library extensions and with the publication of technical corrigenda, later editions of the book were updated to incorporate the new changes.

<http://www.primeuniversity.edu.bd/070513/vc/eBook/download/BalaguruswamyObjectOrientedProgrammingWithC++Fourth%20Edition.pdf>

This book is written by the well-known Indian author E. Balagurusamy. It aims to provide an introduction to the C++ programming language. It highlights the characteristics of the Object-oriented Concept and has practitioner’s approach.

<https://www.onlineprogrammingbooks.com/rooks-guide-c/>

This book is written by Jeremy Hansen and was first published in 2013. This Creative Commons-licensed textbook written by Norwich University students and faculty aims to provide an introduction to the C++ programming language. It just highlights characteristics of the Object-oriented Concept.

<https://www.onlineprogrammingbooks.com/free-download-fundamentals-of-programming-c/>

**“Fundamentals of Programming C++”**, written by Richard L. Halterman. This potentially makes the reader familiar to One C++ program allows a computer to assume the role of a financial calculator, while another transforms the machine into a worthy chess opponent with it’s quirkyProblem statements.

Textbook for Python:

This book does not attempt to cover all the facets of the Python programming language. Experienced programmers should look elsewhere for books that cover Python in much more detail.

The focus here is on introducing programming techniques and developing good habits. To that end, our approach avoids some of the more esoteric features of Python and concentrates on the programming basics that transfer directly to other imperative programming languages such as Java, C#, and C++. We stick with the basics and explore more advanced features of Python only when necessary to handle the problem at hand.

The code in this book is based on Python 3

<https://www.cs.uky.edu/~keen/115/Haltermanpythonbook.pdf>

This document is a self­learning document for a course in Python programming.  This course contains (1) a part for beginners, (2) a discussion of several advanced topics that are of interest to Python programmers, and (3) a Python workbook with  lots of exercises.

<http://www.davekuhlman.org/python_book_01.pdf>

Think Python is an introduction to Python programming for beginners. It starts with basic concepts of programming, and is carefully designed to define all terms when they are first used and to develop each new concept in a logical progression. Larger pieces, like recursion and object-oriented programming are divided into a sequence of smaller steps and introduced over the course of several chapters.

<http://www.greenteapress.com/thinkpython/thinkpython.pdf>

*Cracking Codes with Python* teaches complete beginners how to program in the Python programming language. The book features the source code to several ciphers and hacking programs for these ciphers.

After a crash course in Python programming basics, you’ll learn to make, test, and hack programs that encrypt text with classical ciphers like the transposition cipher and Vigenère cipher

<https://www.onlineprogrammingbooks.com/cracking-codes-python/>

Textbook for java:

This book is a comprehensive guide to the Java language, describing its syntax, keywords, and fundamental programming principles. Significant portions of the Java API library are also examined. The book is divided into four parts, each focusing on a different aspect of the Java programming environment.

Part I presents an in-depth tutorial of the Java language.

Part II examines key aspects of Java’s standard API library.

Part III looks at three important Java technologies: Java Beans, Swing, and servlets.

Part IV contains two chapters that show examples of Java in action.

<http://iiti.ac.in/people/~tanimad/JavaTheCompleteReference.pdf>

***Thinking in Java*** has earned raves from programmers worldwide for its extraordinary clarity, careful organization, and small, direct programming examples. From the fundamentals of Java syntax to its most advanced features, ***Thinking in Java*** is designed to teach, one simple step at a time.

<http://vergil.chemistry.gatech.edu/resources/programming/pdf/TIJ2.pdf>

Introduction to Programming Using Java is a free introductory computer programming textbook that uses Java as the language of instruction. It is suitable for use in an introductory programming course and for people who are trying to learn programming on their own. There are no prerequisites beyond a general familiarity with the ideas of computers and programs. There is enough material for a full year of college-level programming. Chapters 1 through 7 can be used as a textbook in a one-semester college-level course or in a year-long high school course.

<http://www.iitk.ac.in/esc101/share/downloads/javanotes5.pdf>

Advanced Java Programming is a textbook specially designed for undergraduate and postgraduate students of Computer Science, Information Technology, and Computer Applications (BE/BTech/BCA/ME/M.Tech/MCA). Divided into three parts, the book provides an exhaustive coverage of topics taught in advanced Java and other related subjects. It first introduces important language features such as Reflection, JNI, template, AWT and swing, Security etc. The second part primarily focuses on core network programming concepts such as sockets, RMI, Mail, XML-RPC etc. The state-of-the-art concepts such as SOAP, Applet, Servlet, JSP, JDBC, Hibernate, JMS, J2EE, JNDI, CORBA, JSF etc. have been discussed in the last part. The content is enhanced with numerous illustrations, examples, program codes, and screenshots. With its lucid presentation and inclusion of numerous real-world examples and codes, the book will be equally useful for Java professionals.

<https://freeebookdownload.blogspot.in/2016/06/advanced-java-programming_23.html>

ARTIFICIAL INTELLIGENCE

Deep learning:

<http://www.deeplearningbook.org/front_matter.pdf>

"Written by three experts in the field, *Deep Learning* is the only comprehensive book on the subject." -- Elon Musk, cochair of OpenAI; cofounder and CEO of Tesla and SpaceX. The text offers mathematical and conceptual background, covering relevant concepts in linear algebra, probability theory and information theory, numerical computation, and machine learning.

<https://www.cse.iitk.ac.in/users/sigml/lec/DeepLearningLib.pdf>

This link will provide the hub of worthy resources of deep learning through softcopy of books from well-known authors Yoshua Bengio, Ian Goodfellow, etc along with video lectures.

<http://www.deeplearningbook.org/>

### The Deep Learning textbook is a resource intended to help students and practitioners enter the field of machine learning in general and deep learning in particular by renowned authors Ian Goodfellow and Yoshua Bengio and Aaron Courville.

<https://in.mathworks.com/campaigns/products/offer/deep-learning-with-matlab.html>

This short ebook is your guide to the basic techniques. You’ll see that deep learning is within your grasp—you don’t need to be an expert to get started.Get through the topics like Machine learning vs. deep learning Convolutional neural networks (CNNs) and a lot more.

Data science:

<http://www.zhanjunlang.com/resources/tutorial/Data%20Science%20from%20Scratch%20First%20Principles%20with%20Python.pdf>

 Joel Grus popular book “**Data Science from Scratch**: **First Principles with Python**“ is a type of learning that is perhaps slower than other types of learning, but fuller in that all of the micro decisions involved become intimate. The implementation is owned from head to tail.

<https://storage2.ischool.syr.edu/media.ischool.syr.edu/oldmedia/documents/2012/3/DataScienceBook1_1.pdf>

In this Introduction to Data Science eBook, a series of data problems of increasing complexity is used to illustrate the skills and capabilities needed by data scientists. The open source data analysis program known as "R" and its graphical user interface companion "R-Studio" are used to work with real data examples to illustrate both the challenges of data science and some of the techniques used to address those challenges.

<https://www.cs.cornell.edu/jeh/book.pdf>

This book is written by Avrim Blum, John Hopcroft, and Ravindran Kannan.The emphasis of the chapter, as well as the book in general, is to get across the mathematical foundations rather than dwell on particular applications that are only briefly described. The mathematical areas most relevant to dealing with high-dimensional data are ma- trix algebra and algorithms.

Machine learning:

<http://users.isr.ist.utl.pt/~wurmd/Livros/school/Bishop%20-%20Pattern%20Recognition%20And%20Machine%20Learning%20-%20Springer%20%202006.pdf>

 The book by Christopher M. Bishop reflects the substantial developments in the field of pattern recognition while providing a grounding in the basic concepts of pattern recognition and machine learning. It is aimed at advanced undergraduates or first year PhD students, as well as researchers and practitioners.

<http://web4.cs.ucl.ac.uk/staff/D.Barber/textbook/090310.pdf>

The book by Bayesian This book concentrates on the probabilistic aspects of information processing and machine learning.

<https://pdfs.semanticscholar.org/7bc7/54bc548f32b9ac53df67e3171e8e4df66d15.pdf>

This book by David Barber is intended as a (non-rigorous) introduction to machine learning, probabilistic graphical models and their applications.

<https://www.cs.huji.ac.il/~shais/UnderstandingMachineLearning/understanding-machine-learning-theory-algorithms.pdf>

The first goal of book by by Shai Shalev-Shwartz and Shai Ben-David is to provide a rigorous, yet easy to follow, introduction to the main concepts underlying machine learning

WEB DEVELOPMENT

HTML:

With this book, developers will learn how to use the latest cutting-edge HTML5 web technology—available in the most recent versions of modern browsers—to build web applications with unparalleled functionality, speed, and responsiveness.

Topics included: Overview of HTML5 • Using the Canvas API • Working with Scalable Vector Graphics • Working with Audio and Video • Using the Geolocation API • Using the Communication APIs • Using the WebSocket API • Using the Forms API • Working with HTML5 Drag-and-Drop • Using the Web Workers API • Using the Web Storage API • Creating HTML5 Offline Web Applications • The Future of HTML5.

<https://www.onlineprogrammingbooks.com/pro-html5-programming/>

*Thinking in HTML: Learn to write intuitive HTML and build your sites on solid foundations* provides you with everything you need to know to get to grips with HTML and to begin building your own web pages. Explore how HTML code structures a web page and use and adapt the examples for yourself to begin building your own web pages today.  
Topics included: Getting started with HTML • Explore the structure of HTML • Format your web pages • Collect user input • HTML5 – the future is here

<https://www.onlineprogrammingbooks.com/thinking-in-html/>

Many books teaching HTML and CSS are dry and only written for those who want to become programmers, which is why this book takes an entirely new approach.

* Introduces HTML and CSS in a way that makes them accessible to everyone hobbyists, students, and professionals and it s full–color throughout
* Utilizes information graphics and lifestyle photography to explain the topics in a simple way that is engaging
* Boasts a unique structure that allows you to progress through the chapters from beginning to end or just dip into topics of particular interest at your leisure

<http://www.wufai.edu.tw/%E7%B6%B2%E9%A0%81%E6%8A%80%E8%A1%93%E4%B8%AD%E5%BF%83/datasheet/HTML%20and%20CSS%20design%20and%20build%20websites.pdf>

The author has split this book into five parts. This part, Part I, contains the information you need to get ready to use this book and a refresher in basic HTML, CSS, and JavaScript. If you haven’t done any web development recently, you will find these chapters bring you up to speed.

Part II covers the HTML elements, including those that are new or modified in HTML5.

Part III covers Cascading Style Sheets (CSS)

Part IV describes the Document Object Model (DOM)

Part V contains information about advanced HTML5 features, such as Ajax, multimedia, and the Canvas element.

[ftp://ftp.micronet-rostov.ru/linux-support/books/programming/HTML-CSS/[Apress]%20-%20The%20Definitive%20Guide%20to%20HTML5%20-%20[Freeman].pdf](ftp://ftp.micronet-rostov.ru/linux-support/books/programming/HTML-CSS/%5bApress%5d%20-%20The%20Definitive%20Guide%20to%20HTML5%20-%20%5bFreeman%5d.pdf)

CSS:

*Thinking in CSS* is a focused guide designed to help you understand the basics of CSS, how it works, and how to start creating modern websites. Start using CSS and get to grips with one of the most foundational but important languages in web design.

**Description**  
Topics included: Incorporating CSS in HTML • Defining CSS • Fonts and text • Anchor pseudo classes • Border • Margin and padding • Display • Positioning • Float,

<https://www.onlineprogrammingbooks.com/thinking-in-css/>

CSS lets you create professional websites, but learning its finer points can be tricky—even for seasoned web developers. This fully updated edition provides the most modern and effective tips, tricks, and tutorial-based instruction on CSS available today. Learn how to use new tools such as Flexbox and Sass to build web pages that look great and run fast on any desktop or mobile device. Ideal for casual and experienced designers alike.

<http://nadin.miem.edu.ru/images_2015/css-the-missing-manual.pdf>

Gives a proper pathway to learn basic CSS

<https://res.wisedu.com/FS/%E5%89%8D%E7%AB%AF%E5%85%A5%E9%97%A8/3.%20CSS.Secrets.Better.Solutions.to.Everyday.Web.Design.Problems.pdf>

O’Reilly Media’s **“CSS Cookbook Third Edition”**. This cookbook offers hundreds of practical examples for using CSS to format your web pages, and includes code samples you can use right away. You’ll find exactly what you need, from determining which aspects of CSS meet the specific needs of your site to methods for resolving differences in the way browsers display it.

<https://www.onlineprogrammingbooks.com/free-ebook-css-cookbook-third-edition/>

php:

In PHP Succinctly, author José Roberto Olivas Mendoza guides newcomers through PHP’s basics, which includes deployment, programming themes such as variables, decision making, arrays, functions, and databases, and the creation of a functional webpage that will connect to a database. By the end, you’ll be ready to join the vast community of PHP users around the world

<https://www.onlineprogrammingbooks.com/php-succinctly/>

This book is for the developer who has just come across PHP and is wondering what the

big deal is, and also for the non-programmer who is just starting out— and doesn’t

know where to begin.

<https://datenpdf.com/download/the-joy-of-php-alan-forbes-html-element-php_pdf>

<https://www.onlineprogrammingbooks.com/php-the-right-way/>

.net:

<https://www.onlineprogrammingbooks.com/skype-bots-succinctly/>

<https://www.onlineprogrammingbooks.com/entity-framework-core-succinctly/>

<https://www.onlineprogrammingbooks.com/cryptography-net-succinctly/>

JavaScript:

<http://eloquentjavascript.net/Eloquent_JavaScript.pdf>

<https://7chan.org/pr/src/OReilly_JavaScript_The_Good_Parts_May_2008.pdf>

<https://www.onlineprogrammingbooks.com/the-javascript-way/>

Computer graphics:

CorelDraw:

<http://product.corel.com/help/CorelDRAW/540229932/Main/EN/User-Guide/CorelDRAW-X7.pdf>

<http://www.rohaniterbaru.com/coreldraw-studio-techniques-english.pdf>

After effect:

<http://31.210.87.4/ebook/pdf/Adobe_After_Effects_CC_Classroom_in_a_Book_2015_release.pdf>

<https://www.safaribooksonline.com/library/view/creating-motion-graphics/9780240814155/>

Photoshop:

<http://ptgmedia.pearsoncmg.com/images/9780321823748/samplepages/0321823745.pdf>

<http://ptgmedia.pearsoncmg.com/images/9780133979794/samplepages/9780133979794.pdf>

<https://www.onlineprogrammingbooks.com/free-ebook-an-introduction-to-adobe-photoshop/>

<https://www.onlineprogrammingbooks.com/an-idiots-guide-to-photoshop-part-4-advanced-features-and-fun-photo-effects/>

Adobe illustrator:

<https://help.adobe.com/archive/en/illustrator/cs6/illustrator_reference.pdf>

<http://www.fcekg.com/downloads/illustrator.pdf>

<https://helpx.adobe.com/pdf/illustrator_reference.pdf>

NETWORK

Ethical hacking & Cyber security:

<https://doc.lagout.org/security/Syngress.The.Basics.of.Hacking.and.Penetration.Testing.Aug.2011.pdf>

<https://doc.lagout.org/security/The-Hacker-Playbook-Practical-Guide-To-Penetration-Testing-2014.pdf>

<http://index-of.es/Hack/Kimberly_Graves-CEH_Certified_Ethical_Hacker_Study_Guide-Sybex(2010).pdf>

<http://pages.cs.wisc.edu/~ace/media/gray-hat-hacking.pdf>

<https://news.asis.io/sites/default/files/Cybersecurity_and_Cyberwar.pdf>

Cisco CCNA:

<http://ptgmedia.pearsoncmg.com/images/9781587205804/samplepages/9781587205804.pdf>

<http://dl.hellodigi.ir/dl.hellodigi.ir/dl/book/CCNA%20Cyber%20Ops%20SECFND%20%23210-250%20Official%20Cert%20Guide.pdf>

<http://ptgmedia.pearsoncmg.com/images/9781587205989/samplepages/9781587205989.pdf>

Wire shark:

<https://juliorestrepo.files.wordpress.com/2015/04/wireshark-network-analysis-second-edition.pdf>

<http://repository.root-me.org/R%C3%A9seau/EN%20-%20Practical%20packet%20analysis%20-%20Wireshark.pdf>

<https://danwin1210.me/uploads/F3thinker%20%21-%20Hacking%202017/19.%20Wireshark%20for%20Security%20Professionals%202016.pdf>

<http://kartolo.sby.datautama.net.id/PacktPub/Mastering_Wireshark.pdf>

DATABASE:

SQL:

<https://www.onlineprogrammingbooks.com/introducing-microsoft-sql-server-2014/>

<https://www.onlineprogrammingbooks.com/sql-server-analysis-services-succinctly/>

<http://ptgmedia.pearsoncmg.com/images/9780672336072/samplepages/0672336073.pdf>

<https://www.onlineprogrammingbooks.com/sql-server-transaction-log-management/>

SQL server:

<https://ptgmedia.pearsoncmg.com/images/9780735658561/samplepages/9780735658561.pdf>

<https://the-eye.eu/public/Books/IT%20Various/microsoft_sql_server_2012_t-sql_fundamentals.pdf>

<http://files.hii-tech.com/book/SQL2012/Microsoft.Press.Training.Kit.Exam.70-461.Nov.2012.pdf>

Database management:

<http://iips.icci.edu.iq/images/exam/databases-ramaz.pdf>

<http://mathcomp.uokufa.edu.iq/staff/kbs/file/2/An%20Introduction%20to%20Database%20Systems,%208th%20Edition,%20C%20J%20Date_4.pdf>

<https://www.cs.indiana.edu/classes/a348/spr2013/pach1.pdf>

<http://people.stfx.ca/x2011/x2011asx/5th%20Year/Database/Database%20Management%20Textbook.pdf>

Programming Language

C programing language :

General :

\* <https://www.cprogramming.com/tutorial.html>

(imp) <https://hackr.io/tutorials/learn->c (display all )

Java Tutorials : https://www.javatpoint.com/c-programming-language-tutorial

Prural Sight: <https://www.pluralsight.com/courses/c-lang-fundamentals?aid=7010a000002BWq6AAG&promo=&oid=&utm_source=non_branded&utm_medium=digital_paid_search_google&utm_campaign=APAC_Dynamic&utm_content=&gclid=EAIaIQobChMIq8jYwJTh2QIVwxwrCh2nwQRjEAMYASAAEgIUtPD_BwE>

W3School : <https://www.w3schools.in/c-tutorial/>

Lynda : <https://www.lynda.com/C-training-tutorials/1249-0.html>

Youtube Videos:

Robert bucky : <https://www.youtube.com/user/thenewboston/playlists>

<https://www.youtube.com/user/ProgrammingKnowledge/playlists>

<https://www.youtube.com/user/madhurbhatia89/playlists>

C++ programing language :

(imp) https://hackr.io/tutorials/learn-c-plus-plus (display all)

Tutorial points : <https://www.tutorialspoint.com/cplusplus/index.htm>

Java Tutorials : <https://www.javatpoint.com/cpp-tutorial>

W3School : <https://www.w3schools.in/cplusplus-tutorial/>

Youtube Videos:

<https://www.youtube.com/user/LearningLad/playlists>

<https://www.youtube.com/user/thenewboston/playlists>

<https://www.youtube.com/user/ProgrammingKnowledge/playlists>

Java programing language :

tutorial points: <https://www.tutorialspoint.com/java/index.htm>

Java points: <https://www.javatpoint.com/java-tutorial>

W3School : <https://www.w3schools.in/java-tutorial/>

beginner: <https://beginnersbook.com/java-tutorial-for-beginners-with-examples/>

Youtube Videos:

<https://www.youtube.com/user/ProgrammingKnowledge/playlists>

<https://www.youtube.com/user/thenewboston/playlists>

<https://www.youtube.com/channel/UCGR3vMYA20JJDQvGFccujdA/playlists>

Python programing language :

<https://www.tutorialspoint.com/python/index.htm>

<https://www.w3schools.in/python-tutorial/>

<https://www.javatpoint.com/python-tutorial>

<https://www.guru99.com/python-tutorials.html>

Youtube Videos:

<https://www.youtube.com/user/ProgrammingKnowledge/playlists>

[https://www.youtube.com/user/thenewboston/playlists \_](https://www.youtube.com/watch?v=HBxCHonP6Ro&list=PL6gx4Cwl9DGAcbMi1sH6oAMk4JHw91mC_)

<https://www.youtube.com/user/sentdex/playlists>

Graphics :

Photoshop :

<iframe width="424" height="238" src="https://www.youtube.com/embed/AnGiHmShESQ" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<https://www.photoshoptutorials.ws/>

<https://helpx.adobe.com/photoshop/tutorials.html>

<https://www.creativebloq.com/graphic-design-tips/photoshop-tutorials-1232677>

<https://www.photoshopessentials.com/>

Youtube Videos:

<https://www.youtube.com/user/misterninjaboy/playlists>

<https://www.youtube.com/user/NewWorldOps/playlists>

<https://www.youtube.com/user/DhruvalModi/playlists>

CorelDraw :

<https://www.coreldraw.com/en/pages/800382.html>

<iframe width="854" height="480" src="https://www.youtube.com/embed/iKfFNNtfpMU" frameborder="0" allow="autoplay; encrypted-media" allowfullscreen></iframe>

<http://learn.corel.com/graphics-tutorials/coreldraw-tutorials/coreldraw-x7-tutorials/> (not secured)

<https://design.tutsplus.com/categories/coreldraw>

<https://www.lynda.com/CorelDRAW-training-tutorials/178-0.html>

Youtube Videos:

<https://www.youtube.com/user/alexisgalvez/playlists>

<https://www.youtube.com/channel/UCnhrdTC16p_3pniLLO-NiZA/playlists>

Adobe Illustrater :

<https://helpx.adobe.com/illustrator/tutorials.html>

<https://www.creativebloq.com/digital-art/illustrator-tutorials-1232697>

<https://design.tutsplus.com/categories/adobe-illustrator>

<https://www.lynda.com/Illustrator-training-tutorials/227-0.html>

Youtube Videos:

<https://www.youtube.com/user/TastyTuts/playlists>

<https://www.youtube.com/channel/UCP3AIk974-PeB9bg1Mc7wug/playlists>

<https://www.youtube.com/user/ForeverDansky/playlists>

After Effect :

<https://helpx.adobe.com/in/after-effects/tutorials.html>

<https://www.creativebloq.com/after-effects/tutorials-1232661>

<https://motionarray.com/tutorials/after-effects-tutorials>

<https://www.lynda.com/After-Effects-training-tutorials/150-0.html>

Youtube Videos:

<https://www.youtube.com/channel/UCOi5hBrqjJX0BiK3CqYWXsQ/playlists>

<https://www.youtube.com/user/SurfacedStudio/playlists>

<https://www.youtube.com/user/rendaatutorials/playlists>

Networking :

WireShark :

<https://www.lifewire.com/wireshark-tutorial-4143298>

<https://www.guru99.com/wireshark-passwords-sniffer.html>

Youtube Videos:

<https://www.youtube.com/channel/UCqR4a4lUDbDkAFQnhw4pfXQ/playlists>

<https://www.youtube.com/user/thenewboston/playlists>

Cisco packet swicthing :

<https://www.netacad.com/courses/intro-packet-tracer/>

Youtube Videos:

<https://www.youtube.com/watch?v=VqMeJ-WH4E0>

Ethical Hacking :

<https://www.tutorialspoint.com/ethical_hacking/index.htm>

<https://www.guru99.com/ethical-hacking-tutorials.html>

<https://josephdelgadillo.com/ethical-hacking-course-free/>

Youtube Videos:

<https://www.youtube.com/user/85jeyaasok/playlists>

<https://www.youtube.com/channel/UCAKbr5-LO1jB5hEtac4DwQA/playlists>

<https://www.youtube.com/channel/UCVVAjCqbNlcQUGFknjp8UiQ/playlists>

Cyber Security :

<https://www.tutorialspoint.com/information_security_cyber_law/cyber_security_strategies.htm>

<https://www.tutorialspoint.com/computer_security/index.htm>

Youtube Videos:

<https://www.youtube.com/user/palaestratraining/playlists>

Database :

SQL/PLSQL :

<https://www.tutorialspoint.com/plsql/index.htm>

<https://www.javatpoint.com/pl-sql-tutorial>

<https://www.w3schools.com/sql/>

<https://intellipaat.com/tutorial/oracle-plsql-tutorial/>

Youtube Videos:

<https://www.youtube.com/user/TheCodeMakers/playlists>

<https://www.youtube.com/user/durgasoftware/playlists>

<https://www.youtube.com/channel/UCxgKiI_D-LLG-52RUu95Vng/playlists>

SQL Server :

<https://www.tutorialspoint.com/ms_sql_server/index.htm>

<https://docs.microsoft.com/en-us/sql/sql-server/tutorials-for-sql-server-2016>

<https://www.mssqltips.com/sql-server-tutorials/>

<https://www.javatpoint.com/sql-server-tutorial>

Youtube Videos:

<https://www.youtube.com/user/kudvenkat/playlists>

<https://www.youtube.com/user/durgasoftware/playlists>

<https://www.youtube.com/user/WiseOwlTutorials/playlists>

DBMS :

<https://www.tutorialspoint.com/dbms/index.htm>

<https://www.w3schools.in/dbms/>

<https://www.studytonight.com/dbms/>

Youtube Videos:

<https://www.youtube.com/channel/UCJjC1hn78yZqTf0vdTC6wAQ/playlists>

<https://www.youtube.com/user/saurabhexponent1/playlists>

Web Development :

HTML :

<https://www.w3schools.com/html/>

<https://www.tutorialspoint.com/html/index.htm>

<https://www.javatpoint.com/html-tutorial>

<https://tutorialehtml.com/en/html-tutorial-complete-html-guide/>

<https://www.tutorialrepublic.com/html-tutorial/>

Youtube Videos:

<https://www.youtube.com/channel/UC-JQzTHQrVA8j-tamvy66fw/playlists>

<https://www.youtube.com/user/madhurbhatia89/playlists>

<https://www.youtube.com/user/QuentinWatt/playlists>

CSS :

<https://www.w3schools.com/css/default.asp>

<https://www.javatpoint.com/css-tutorial>

<https://www.tutorialspoint.com/css/index.htm>

Youtube Videos:

<https://www.youtube.com/channel/UC-JQzTHQrVA8j-tamvy66fw/playlists>

<https://www.youtube.com/channel/UCv9bWHC0DIn-Xb7ALNoOGWQ/playlists>

<https://www.youtube.com/user/QuentinWatt/playlists>

PHP :

<https://www.w3schools.com/php/default.asp>

<https://www.javatpoint.com/php-tutorial>

<https://www.tutorialspoint.com/php/index.htm>

Youtube Videos:

<https://www.youtube.com/user/ProgrammingKnowledge/playlists>

<https://www.youtube.com/user/thenewboston/playlists>

<https://www.youtube.com/user/TheCharmefis/playlists>

Dot Net :

<https://www.w3schools.com/asp/default.asp>

<https://www.javatpoint.com/asp-net-tutorial>

<https://www.guru99.com/asp-net-tutorial.html>

Youtube Videos :

<https://www.youtube.com/user/kudvenkat/playlists>

<https://www.youtube.com/user/h2kinfosys/playlists>

Javascript :

<https://www.w3schools.com/js/default.asp>

<https://www.javatpoint.com/javascript-tutorial>

Youtube Videos:

<https://www.youtube.com/user/thenewboston/playlists>

<https://www.youtube.com/user/QuentinWatt/playlists>

<https://www.youtube.com/user/kudvenkat/playlists>

Artificial Intelligence :

Deep Learning :

<https://www.analyticsvidhya.com/blog/2016/12/21-deep-learning-videos-tutorials-courses-on-youtube-from-2016/>

<https://www.analyticsvidhya.com/blog/2016/08/deep-learning-path/>

<https://software.intel.com/en-us/ai-academy?cid=sem43700014909768398&intel_term=deep+learning+tutorial&gclid=EAIaIQobChMI6oKV7_bh2QIVRR0rCh2oAwQcEAAYASAAEgLlRvD_BwE&gclsrc=aw.ds>

Youtube Videos:

<https://www.youtube.com/channel/UCeqlHZDmUEQQHYqnei8doYg/playlists>

<https://www.youtube.com/channel/UC9OeZkIwhzfv-_Cb7fCikLQ/playlists>

<https://www.youtube.com/user/Udacity/playlists>

Data Science :

<https://www.tutorialspoint.com/big_data_analytics/data_scientist.htm>

<https://intellipaat.com/tutorial/data-science-tutorial/>

<https://elitedatascience.com/data-science-resources#foundational-skills>

Youtube Videos:

<https://www.youtube.com/user/edurekaIN/playlists>

<https://www.youtube.com/channel/UC6N-EsMNp9xVTj-ct008HIQ/playlists>

Machime Learning :

<https://pythonprogramming.net/machine-learning-tutorial-python-introduction/>

<https://www.datacamp.com/community/open-courses>

<https://www.javatpoint.com/artificial-intelligence-research-areas>

Youtube Videos:

<https://www.youtube.com/user/sentdex/playlists>

<https://www.youtube.com/watch?v=T3PsRW6wZSY&list=PLlGkyYYWOSOsGU-XARWdIFsRAJQkyBrVj>

<https://www.youtube.com/watch?v=MXZxn_hmnLA&list=PLUgZaFoyJafheHtl5be26kKzne06-WSnO>