**Advanced python course**

1. **What is an advanced python course?**

The advanced python course teaches you all the tools, libraries and techniques associated with python and the instances where you could be using it.

1. **Should you learn an advanced course in python?**

It all comes down to personal preferences. If you want to pursue a career in Machine learning, AI, data science or if you want to improve your career, learning advanced python can help

1. **What are the main advantages of learning an advanced python course?**

* Increased understanding of the functions and libraries in python
* Faster problem-solving ability
* Can implement automation, machine learning and AI

1. **Can I get a job after learning advanced python course?**

Yes, you most definitely can land a job after learning to code in python as it is one of the most sought-after skill in the 21st century.

**Data analysis course with python**

1. **Why should I learn data analysis?**

Data is the fuel for the future of industries. If you want to stay ahead of the race and make a good earning for yourself, then data analysis is the way you should go.

1. **What is the role of python in data analysis?**

Technically python is the programming language in which data analysis is done. It has a lot many tools and libraries that helps in the process of analysing, visualising, processing and cleaning data. The ability of the program to do all of this while being versatile and cross platform compatible makes it a suitable choice for developers to use it for data analysis application.

1. **What are examples of data analysis?**

The simple example of data analysis is that whenever we take a decision, its dependant on the information we got corresponding to it. Data analysis allows us to extract necessary information from raw data helping us to make responsible decisions.

1. **What are the different types of data analysis?**

The 2 main types of data analysis are quantitative and qualitative.

Quantitative data analysis deals with numerical data like statistics, percentage, measurements, calculations and more.

Qualitative data analysis deals with non-numerical data, typically labels, specific identifiers, and categorical variables.

**Advanced data visualization with python**

1. **What is data visualization?**

Data visualization, as the name suggests is the process of converting large amount of data/ datasets into visual representations like charts, graphs, maps and more. The resulting representation helps us to understand and read patterns, real time trends and outliers in the data.

1. **Why is data visualization important?**

Data visualisation helps us to quickly understand large amount of data. This process can help companies understand multiple metrics simultaneously and make the data memorable for stakeholders.

1. **Which is the best data visualisation tool?**

Some of the best data visualization tools are

* Tableau
* Infogram
* Chart Blocks
* IBM Cognos analytics
* Microsoft PowerBI

1. **Is data visualisation hard?**

Like every other technical skill, mastering data visualisation takes time and effort. There needs to be a balance within all the visual elements so that it’s easier to understand. It takes practice to do visualization perfectly, it isn’t that hard as analytics.

**Advanced course in machine learning**

1. **What is machine learning used for?**

Machine learning is used in circumstances where there is a need for improvement after deployment of a certain solution. For example- Machine learning algorithms are used in chatbots by customer service companies, E-commerce shopping companies like amazon, eBay. Flipkart etc provide recommendations and suggestions by using machine learning algorithms.

1. **What are the types of machine learning?**

The 4 main types of machine learning are

* Supervised learning
* Unsupervised learning
* Semi-supervised learning
* Reinforcement learning

1. **What field is machine learning associated with?**

Machine learning is associated with the field of Mathematics and computers science. The algorithms are all dependant on data and uses it to improve the accuracy of its output.

1. **Is machine learning a good career?**

Machine learning is a really rewarding career if you are interested in data, programming and math. Machine learning offers you a lot of career options to choose from, with the correct skillset, you can land a job as data scientist, NLP scientist, machine learning engineer and more.

**Deep learning advanced with python**

1. **What is deep learning**

Deep learning method is where mathematical models are used to mimic the functioning of human brain as it tries to learn things using unstructured data. The mathematical neural network created consists of neurons that has an input, hidden and output layer of which helps in taking input, doing computations and providing us with the output.

1. **Is python good for deep learning**

Python is good for deep learning and also one of the most influential platforms in the field of machine learning. The number of tools and libraries python provides and the compatibility it gives us makes it a really suitable choice for deep learning

1. **Which python version is good for deep learning?**

Anaconda and Miniconda distributions are really useful for installing critical libraries for data science more smoothly

1. **What are the types of deep learning networks?**

* Feed forward neural network
* Radial basis function neural network
* Multilayer perceptron
* Convolution neural network
* Recurrent neural network
* Modular neural network
* Sequence to sequence models

**Natural language processing with python**

1. **What is natural language processing**

Since computers can’t understand language as humans do, they need a solution to interpret what we mean. Natural language processing is an artificial intelligence-based algorithm that helps machines understand, interpret and manipulate human language.

1. **What is NLP algorithm**

Natural language processing algorithms are algorithms based on statistics which helps computers by simulating the ability of humans to understand and communicate via language.

1. **Is NLP difficult to learn.**

It is not easy to teach machines to communicate like humans do, after all computers can only communicate through zeroes and ones right. Even though, there’s been breakthroughs in the recent years, it’s still hard to make machines understand the ambiguity and complexity of human language.

1. **How does NLP work**

NLP works by applying algorithm to extract the meaning of natural language that the unstructured data is converted into data that the computers can comprehend. The algorithm tries to find the meaning of every sentence associated with the given input and collect the essential output from them. Sometimes the computer may fail to get the correct meaning of the data.

**Computer vision with python**

1. **What is computer vision**

Just like the name suggests, computer vision is associated with artificial intelligence that allows computers to extract useful information from digital images and other visual inputs. It is like allowing a machine to see and take actions based on it.

1. **Why is computer vision so hard?**

Implementing computer vision is hard because of hardware limitations. Real time data processing is dependent on multiple hardware devices and the delay in communication between them makes the computations slow, results in increased network traffic and bottleneck in data flow. Only by overcoming these limitations, we can successfully implement efficient computer vision.

1. **Difference between machine vision and computer vision**

Machine vision is basically a subcategory of computer vision. Where Computer vision is an automated process of capturing and processing digital images, machine vision is used in industries to sniff out faults and defects.

1. **Computer vision software**

The few prominent software used are

* OpenCV
* Tensorflow
* CUDA
* VisoSuite
* Simple CV

**Full stack development with react JS**

**What is a react developer?**

A react developer is a front-end developer who is well versed in React js and React native. Since react is a JavaScript library for web applications, they are able to apply their skills in JavaScript to create user interfaces that are interactive and aesthetic.

**Best backend for react?**

The few best backend languages for react are

* Nodejs
* Firebase
* Express JS
* Ruby on Rails
* ASP.net
* Django

**Is react front end or backend?**

React is a JavaScript library that’s is used for front end development, mainly for creating interactive UI elements like toggles, buttons, forms, etc

**Is react js same as react native?**

React js and React native are similar but different from each other. While we use react js for developing web applications, React native is used for developing a mobile application for iOS Android, and Windows using native components instead of using web components.

**HTML**

**What is HTML used for?**

HTML or Hypertext Markup Language is the code that is used to structure content in webpages. HTML constructs interactive forms, images, videos which may be embedded into the webpages from a webserver or from a local source. The term hypertext refers to the link that connects within the same webpage, or between multiple webpages.

**Is HTML easy to learn?**

HTML is one of the easier to understand language there is. When you go deeper into the language, you’ll understand that there are no complex concepts t tackle and everything is really cohesive so that the language is really easy to comprehend.

**Should I learn JavaScript or HTML first?**

Its practical to learn HTML first and slowly progress into the concepts of JavaScript and CSS. The progress is gentle as JavaScript is the basis of new frameworks like node and angular. Learning all these new frameworks increases your earning potential exponentially.

**What is the difference between HTML and CSS?**

Html is used to structure the content in a webpage. It can be seen as the skeletal structure of a webpage whereas CSS or cascading style sheets are used to add style to the webpage, like colours, font etc.

**Advanced CSS**

**What is advanced CSS?**

Advanced CSS is a set of tools that allows you to create visually pleasing websites that are in demand. Mastery of advanced CSS helps you to create responsive websites quickly.

**How can I learn advanced CSS?**

You can learn advanced CSS through Edure’s “Course in advanced Cascading Style Sheet”, or you can learn through other expensive courses online.

**What do I need to learn in CSS?**

You need to learn how to adjust the position of elements, add font properties, change colour, style background etc.

**How long does it take to master CSS?**

To become completely confident in your CSS skills, it can take anywhere between 6 – 8 months.

**Advanced course in JavaScript**

**What is JavaScript advanced?**

JavaScript is a powerful client-side scripting language that is used to add interactive elements to webpages. Java script also helps to implement complex and beautiful design on web pages.

**What are the hardest concepts in JavaScript?**

There are a number of functions that are hard to grasp the concept of in JavaScript, a few of them are Scope, Hoisting, Closures, The event loop, recursion etc..

**Which company owns JavaScript?**

JavaScript is owned by Oracle corporation in the US

**What are the advanced topics in JavaScript?**

Some of the advanced courses in JavaScript are

Advanced concepts for objects and functions, Determining the value of 'this', In-depth prototype concepts, indirectly invoking functions, Closure, Immediately Invoked Function Expressions (IIFEs)

**Master in PHP Laravel**

**What is PHP Laravel used for?**

Laravel is an open source, PHP framework that helps you in building web applications. This framework helps you in handling things that are too time consuming to do on your own, like routing and templating HTML.

**Which is better, Django or Laravel?**

Django and Laravel has their own advantages and disadvantages. Django is written in python while Laravel is in PHP. Django has MVT While PHP has MVC architecture, both are cross platform compatible and has good developer support, it all comes down to what would the company interested in using it and nothing else. There’s no better or worse choice, both have advantages of their own.

**Is Laravel PHP good?**

Laravel PHP holds a significant number of advantages making it relevant even today. A few of those advantages are

1. MVC Support and Object-Oriented Approach
2. Built-In Authentication and Authorization
3. Multiple File System
4. Events and Broadcasting
5. Testing

**Why is Laravel so complicated?**

Even though Laravel is comparatively easy to learn, its complicated due to the fact that it took all the useful features from all the big PHP frameworks and combined it into a single platform. That’s why Laravel is bulky, apart form that its relatively easy to learn and pick up.

**React Js complete developer course**

**What is react used for?**

React js is a popular front end JavaScript library for developing interactive UIs. It is used for building user interfaces without much hassle. The main idea of react is to be simple, yet quick and scalable.

**Is react better or angular?**

Its actually subjective. React is a library, its lightweight and faster while angular is a huge framework with multiple built in functionalities and has a steep learning curve. They both tackle same problem in different ways so there’s no superiority in question between angular and react.

**Is react harder than JavaScript?**

If you know how to write JavaScript, then react will be relatively easy. Since vanilla JavaScript is a scripting language with no libraries and react itself is a library written using JavaScript its safe to see that the difficulty in learning them both is relatively same, although if you know JavaScript it will be easier to learn react.

**Where can I learn react in?**

Edure technical training institute provides courses on react with excellent faculty and live classes. Hands on projects and one-on one mentorship programs all in an affordable package.

**Master SQL for data analytics**

**How is SQL used in data analytics?**

SQL helps data analysts to access, manipulate, read and analyse data in a database and helps them to take informed managerial decisions. Many bid companies in the world use SQL to work on relational databases.

**Is it easy to learn SQL?**

SQL is relatively easy to learn. It is an open-source application with huge community support. Easy to comprehend syntax and has a pretty linear learning curve.

**Which job can I get after learning SQL?**

You can learn numerous jobs after being proficient in SQL, like data analyst, QA tester, database administrator, data scientist etc.

**Steps to master SQL?**

Try to integrate SQL in your workday activities so that you can get a feel for the language. Do small projects with SQL you can find where all you can improve. And when you become confident enough in your work, do a freelance gig to expand your expertise. Practice makes perfect applies for everything, same goes for programming too.

**Tableau**

**What is tableau used for?**

Tableau is a tool used for data visualisation. It helps in simplifying data and make them comprehensible. It helps to make data that is easy to understand by all kind of professionals in an organisation.

**Is tableau easy to learn?**

Depending upon the use-case, the time taken to achieve proficiency in tableau can differ. Tableau can be used for casual work or can be used to create analytical content derived from largescale unprocessed data. It is easy as long as you feel it’s easy.

**How to learn Tableau?**

Edure offers advanced courses on Tableau and other data visualisation software. Hands on projects and one-on one mentorship programs all in an affordable package.

**Is tableau free?**

Tableau is free to use, with an active community support and robust work environment. Its ideal for anyone who is looking to get into data analytics and visualisation.

**Power BI**

**What is power BI?**

Power BI is a data visualisation software provided by Microsoft. Unlike tableau, Power BI provides a hoard of useful tools and utilities to make the process of data analysis as efficient as possible.

**Why should you learn power BI?**

Power BI, with its intuitive tools and self-service capabilities make data visualisation easier. It makes data association faster and also makes the process of data organisation quick and effective.

**Where can you learn power BI?**

Edure offers advanced courses on Microsoft Power Bi and other data visualisation software. Hands on projects and one-on one mentorship programs with pre-recorded and live classes, all in an affordable package.

**Is Power BI easy to learn?**

Power BI is relatively easy to learn for beginners, it has an easy-to-understand interface. It also provides advanced features for experienced users. Regardless of previous experience, with necessary hard work and consistency, anyone can learn Power BI

**Django**

What is Django used for?

Django is a high-level python web framework for frontend development. It helps in easier front end development so that developers can focus on other aspects of content while development. It is open source, free and has an active community of developers behind it.

Is Django worth learning?

It is absolutely essential if you’re a front-end developer or looking to become one. The tools and utilities Django provides is top notch, it also provides excellent documentation, versatility and is highly scalable. It is pretty useful so to speak

IS Django easy to learn?

If you’re comfortable with python environment, it’s easy to learn Django if you set your mind and time to it.

Where can I learn Django?

Edure offers advanced courses on Django and other frontend development software, full stack development courses etc. we also provide hands on projects and one-on one mentorship programs along with pre-recorded and live classes, all in an affordable package.