



Full Stack Developer

Join the certified courses from Prutor.AI, IIT Kanpur this Summer, and get the opportunity to utilize your summer vacation by learning new technology at the comfort of your home.

This online live training program is designed in such a way that it makes learning by building projects super easy for you.

For applying for a job Full Stack Developer certificate is considered one of the most needed certifications.

Training Highlights

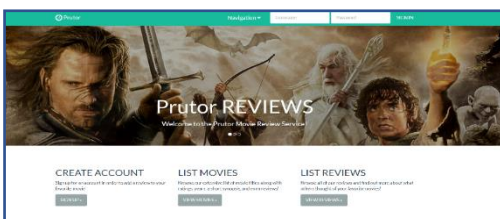
- Learn from home
- Certificate of Training
- Online Live Classes
- Faculty Support
- 6 weeks of training
- Doubt clearing
- Syllabus
- Project Work

How will your training work?

- Attend Online Classes
- Learn with Hands-on practical
- Do the project work
- Give the final quiz
- Get a certificate in Full Stack Developer

What projects you can build?

- Content Management System for a Blog
- Grocery Delivery Application
- Project Management Application
- Food Delivery Application
- Web Portal for Motor Servicing at Home
- E-commerce Portal for Used Furniture Sales



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Course Curriculum

1) Getting Started With Building Bootstrap Projects

- Introduction to HTML, CSS, JavaScript & Bootstrap
- Welcome to Bootstrap
- Getting started with the first Bootstrap app
- Creating Bootstrap image
- CSS Box model
- Adding heading
- Adding Textboxes
- Adding Buttons
- Positioning as per the requirement
- Adjusting the borders

2) Understanding CSS Flexbox

- Introduction to CSS Flexbox
- Creating the Header using Flexbox
- Using Alignments with Flexbox
- Flex Property in CSS

3) JavaScript

- Introduction to JavaScript
- Factory Pattern in JavaScript
- Design Patterns in JS
- Closures
- Events in JavaScript
- Creating a sample application with events
- Creating a simple Photo App with JS Events
- Creating a simple to-do list app
- Event Propagation
- Event Propagation
- Local Storage
- JavaScript Timing functions
- Web Workers in JavaScript
- Call, Apply, Bind Functions in JavaScript
- This keyword
- JavaScript Chaining

4) Asynchronous Programming & Other Advanced Concepts

- Introduction to Asynchronous Programming
- AJAX in JavaScript
- Logging data from AJAX requests
- JavaScript Callback functions
- Promises in JavaScript
- Generators in JavaScript
- Generators Advanced
- IIFE
- Block Scope, Hoisting
- Prototype in JavaScript
- Summary & Conclusion

5) PHP with MySQL

- XAMPP in Windows
- Echo Function
- Variables in PHP
- If Statement
- Switch Statement
- Arithmetic Operators
- Comparison Operators
- Logical Operators
- Arrays
- Multi-Dimensional Arrays
- Loops
- Functions Basic
- Functions Advanced
- GET/POST Variable
- Embedding PHP
- Common Way to Display HTML
- Common Errors
- MySQL
- Simple Visitor Counter
- PHP String Functions
- File Upload
- Cookies
- Sessions
- MD5 Encryption
- Sending Email
- Display Images from a Directory
- User Login
- User Password Change
- User Registration
- XAMPP in Linux

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The Complete Microsoft Office 2019

Join the certified courses from Prutor.AI, IIT Kanpur this Summer, and get the opportunity to utilize your summer vacation by learning new technology at the comfort of your home.

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For applying for a job MS Office Certification is considered very helpful.

Training Highlights

- Learn from home
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- Online Live Classes
- Faculty Support
- 6 weeks of training
- Doubt clearing
- Syllabus

How will your training work?

- Attend Online Classes
- Learn with Hands-on practical
- Do the project work
- Give the final quiz
- Get a certificate in MS Office 2019

Course Curriculum

MS Word 2019

- How to convert a pdf file to a word file without software?
- Learn how to add fonts?
- Learn how to use Table?
- Learn how to insert an image in another image
- Learn how to insert an image in Table
- Learn how to use tab stops to align your text?
- Learn how to create a fillable forms?
- Learn how to align text in left and right in a same line?
- Learn how to write text on a image?
- Learn how to create a letterhead?
- Learn some basic and advance tricks of word 2019?

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- Learn how to create a long line?
- Learn how to insert Tick Symbol?
- Learn how to insert page number from a specific page?
- Learn how to flip and reverse text content?
- Learn how to use multiple column in word document?
- How to design a Flyer
- How to create table?
- How to Get Rid of an Unwanted Page?
- Use of Heading, Heading Numbering & Table of Contents?
- Learn Microsoft Word 2019 Interface
- How to create a form
- Learn how we can create flowchart?
- Learn how to make an invitation card?
- Learn how to use mail merge?
- 18 Techniques and Tips of MS Excel 2019
- Create Summarize Report
- Basic Operations
- Inventory Management
- Important Shortcuts
- Keyboard Shortcuts of Function
- Learn Moderate Skills
- Data Manipulation, Function, and Chart
- Using Gantt Chart
- Beginning with Charts
- Application of Statistics Function
- Use of "If-Then" Statement
- Copy and Extend a Function
- Beginning with Charts
- Solution of an Excel Assignment
- Create Budget on Spreadsheet
- Create Payment Sheet of Employees
- Create and Design a Blank Form
- Create Cash Flow Forecast
- How to make a business account ledger in excel
- Forecast Function
- Manipulation of Data in Time format

MS Excel 2019

- Microsoft Excel 2019 Overview for Beginners
- 3-Important things of MS Excel 2019
- MS Excel 2019- Tricks for Beginners
- MS Excel 2019- Basics Instructions
- 5 Most used formulas
- Introduction of Spread Sheets - Functions
- Use of Pivot Table
- Part 1- Introduction
- Calculations
- Functions
- Applications of Mail Merge - Create Labels
- 9 Regularly used Functions
- Basic Formulas and Functions
- Create Data Collection Form
- Effective Use of MS Excel 2019
- MS Excel Questions for Job Interviews

5) MS Power Point

- Create Animated Slide
- Create Attractive Presentation
- Create Basic Presentation
- Create beautiful Presentation
- Create Hyperlinks
- Create Photo Album
- Create Professional Presentation
- Create Videos from PowerPoint Slide
- Created Animated Slide Using Images, Graphics
- Creating Rotating Object
- Create Voice Narration

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AWS Cloud Practitioner Essentials

The adoption of cloud services can benefit anyone in your organization, from business decision-makers to individuals. Everyone is looking at the cloud as a game changer—whether you are an individual who wants to learn new skills or a leader looking to develop a team.

- Credibility
- Guidance

For applying for a job AWS certificate is considered one of the most needed certifications.

Training Highlights

- Learn from home
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- 6 weeks of training
- Doubt clearing
- Syllabus
- Project Work

How will your training work?

- Attend Online Classes
- Learn with Hands-on practical
- Do the project work
- Give the final quiz
- Get a certificate in AWS

Course Curriculum

- Introduction
- Getting Setup On A Mac - Lab
- About the Exam
- Cloud Computing or AWS
- Around the World with AWS
- Setup Alarm
- Identity Access management – Lab
- Let's Create S3 Bucket!
- Let's Create A Website On S3
- Cloud Front
- Elastic Compute Cloud
- Let's Use EC2 – LAB
- Using the AWS Command-line – Lab
- Using Roles
- Let's Build a Web Server
- Let's Use A Load Balancer
- Create Database
- Let's Provision an RDS Instance
- Let's set up Autoscaling
- Let's Buy a Domain Name!
- Let's Look at Elastic Beanstalk
- Let's Look at Cloud formation – Lab
- Architecting for the Cloud
- Summary of Cloud Concepts and Technology
- Billing & Pricing
- AWS Support Plans
- Tagging & Resource
- AWS Organizations & Consolidated Billing
- AWS Quick Starts & AWS Landing Zones – Lab
- AWS Calculators
- Billing & Pricing Summary
- Compliance On AWS
- AWS Shared Responsibility Model
- AWS WAF & AWS Shield
- AWS Inspector vs AWS Trusted Advisor vs CloudTrail
- Security Summary
- Schedule Exam

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Android App Development

Android is dominating smartphones and we are living in a world where smartphones are ruling the technology world. Through an Android app developer, you can make your future career grow in a better way.

- The scope of development in Android programming is getting smarter with smartphones.
- When smartphones are getting smarter, the scope of development in Android is sure to touch great heights.

For applying for a job Android App Developer certificate is considered one of the most needed certifications.

Training Highlights

- Learn from home
- Certificate of Training
- Online Live Classes
- Faculty Support
- 6 weeks of training
- Doubt clearing
- Syllabus
- Project Work

How will your training work?

- Attend Online Classes
- Learn with Hands-on practical
- Do the project work
- Give the final quiz
- Get a certificate in Android with Core Java

What projects you can build?

- Currency Converter
- Weather Conditions
- WebApp Application
- Building Timer
- Monetize Application for Google
- Notification Application
- 13 More Projects...

Course Curriculum

- Introduction of Android
- Installation of Android Studio
- Using Source Code File
- Android User Interface
- UI Layouts and Controls
- UI Design using XML Code
- and also directly through java code
- Implementing Interface on Activity
- Activity and UI

Fragment and List View

- Create an App using List View

Views

- Introduction of ImageView
- Android User Permissions
- Http URL Connection
- AsyncTask
- Progress Dialog
- Toast

Multithreading

- AsyncTask
- Handler

Google Map Services

- User Interface Design (Relative Layout)
- Open Weather Map APIs
- APIs Request
- JSON Parsing
- Create a Weather Conditions App

Data Storage

- Introduction
- Realm Application

WebView

- Introduction to WebView
- Creating a Web App
- Building a News Application

Notifications

- Introduction to Notification
- Local Notification
- Working with Push Notifications

Working with Shared

Preferences

- Working with List Preference
- Understanding EditText Preference
- Handling Location Preferences change
- Getting Location from Shared Preferences

Intent Filters and

BroadcastReceiver

- Introduction Intent Filters
- Working with Intent Filters
- Introduction BroadcastReceiver
- Working with BroadcastReceiver
- Run the Caller App

Services

- Introduction to Services

- Working with Services
- Intro to Intent Services
- Working with Intent Service

Working With Camera

- Modifying Media Helper
- Working with Video Recording App

Material Design

- Introduction to Tab and bottom bars
- Working with Snackbar Floating Action Button
- Creating Buttons
- Creating Bottom Navigation
- Working with Datatables
- Working with Table Layouts to HTML

Internal & External Storage

- Internal Storage
- Handling Runtime Permissions
- Working With Permission
- Saving File to External Storage

Monetize App for Google

AdMob

- Basics Firebase Admob
- Integrating Firebase Admob
- Working with Banner Ads
- Working with Interstitial Ads

Content Provider

- Basics Content Provider
- Working With Contacts Content Provider
- Introduction Loader API
- Creating Cursor Loader
- Loading Contacts In ListView
- Creating a Content Provider
- Writing Query To Content Provider

Location API & Google Maps

- Introduction Google Maps
- Running Application
- Adding Runtime Permission
- Running Request Location Update
- Map Type
- Working With Maps

Bluetooth API

- Introduction of Bluetooth API
- Listing Paired Device
- Scanning Nearby Devices

Animations

- Working With XML, Frame, Animation

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Java Developer

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- Faculty Support
- 6 weeks of training
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- Syllabus
- Project Work

How will your training work?

- Attend Online Classes
- Learn with Hands-on practical
- Do the project work
- Give the final quiz
- Get a certificate in Java

What projects you can build?

- Airline Reservation System
- Course Management System
- Electricity Billing System
- e-Healthcare Management System
- Library Management System
- Inventory Management System

Course Curriculum

- Encapsulation
- Inheritance, Is-A, Has-A
- Polymorphism
- JDK, JRE, JVM
- Declare Classes
- Source File Declaration Rules
- Class Declarations and Modifiers
- Concrete Subclass

- Declare Class Members
- Access Modifiers
- Nonaccess Member Modifiers
- Constructor Declarations
- Variable Declarations
- Declaring an Interface
- Declaring Interface Constants
- Overridden Methods
- Overloaded Methods
- Reference Variable Casting
- Implementing an Interface
- Overloaded Constructors
- Statics
- Static Variables and Methods
- Coupling and Cohesion
- Assignment Operators
- Casting Primitives
- Using a Variable or Array Element That Is Uninitialized and Unassigned
- Local (Stack, Automatic) Primitives and Objects
- Passing Variables into Methods
- Passing Object Reference Variables
- Does Java Use Pass-By-Value Semantics?
- Passing Primitive Variables
- Array Declaration, Construction, and Initialization
- Declaring an Array
- Constructing an Array
- Initializing an Array
- Handling Exceptions
- Catching an Exception Using try and catch
- Using finally
- Propagating Uncaught Exceptions
- Defining Exceptions
- Exception Hierarchy
- Handling an Entire Class Hierarchy of Exceptions
- Exception Matching
- Exception Declaration and the Public Interface
- Rethrowing the Same Exception
- Common Exceptions and Errors
- Defining, Instantiating, and Starting Threads
- Defining a Thread
- Instantiating a Thread
- Starting a Thread
- The Thread States and Transitions
- Thread States
- Preventing Thread Execution
- Sleeping
- Thread Priorities and yield()
- Synchronizing Code
- Synchronization and Locks
- Thread Deadlock
- Thread Interaction
- Using notifyAll() When Many Threads May Be Waiting
- Introduction to File class
- ByteStream and Character Stream
- Serialization with Java IO
- Overriding hashCode() and equals()
- Overriding equals()
- Overriding hashCode()
- Collections
- So What Do You Do with a Collection?
- List Interface
- Set Interface
- Map Interface
- Queue Interface
- Using the Collections Framework
- ArrayList Basics
- Autoboxing with Collections
- Sorting Collections and Arrays
- Navigating (Searching) TreeSet and TreeMap
- Other Navigation Methods
- Polymorphism and Generics
- Introduction to JDBC
- Architecture of JDBC
- Role of Driver Manager
- Understanding JDBC Driver Types

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Artificial Intelligence + Machine Learning

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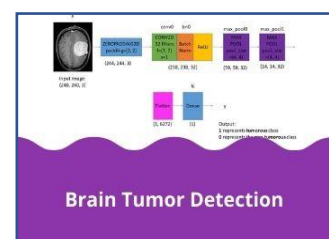
- Attend Online Classes
- Learn with Hands-on practical
- Do the project work
- Give the final quiz
- Get a certificate in AIML

What projects you can build?

- Titanic Survival Prediction
- Fake News Detection
- Heart Attack Detection
- Brain Tumor Detection

Course Curriculum

- Find out where Machine Learning is applied in Technology and Science
- Supervised Learning
- Unsupervised Learning
- Data Analysis Packages
- NumPy
- SciPy
- Matplotlib
- Introduction to Machine Learning
- History and Evolution
- Artificial Intelligence Evolution
- Pandas
- Sklearn
- Regression
- Classification
- Generalization, Overfitting, and Underfitting
- Classification
- Understand how continuous supervised learning is different from discrete learning.
- Code a Linear Regression in Python with scikit-learn.
- Understand different error metrics such as SSE, and R Squared in the context of Linear Regressions.
- k-Nearest Neighbor
- Linear models
- Naive Bayes Classifiers
- Decision trees
- Support Vector Machines
- Challenges in unsupervised learning
- Preprocessing and Scaling
- Applying data transformations
- Scaling training and test data the same way
- Principal Component Analysis (PCA)
- A revolution in Artificial Intelligence
- Advantage of Deep Learning over Machine learning
- How Deep Learning Works?
- Limitations of Machine Learning
- What is Deep Learning?
- Activation Functions
- Training a Perceptron
- TensorFlow code-basics
- Tensorflow data types
- Tensorflow methods
- Introduction to Neural Networks
- Neural Network Architecture
- Linear Regression example revisited
- The Neuron
- Neural Network Layers
- The MNIST Dataset
- Coding MNIST NN
- Understand the limitations of a Single Perceptron
- Deepening the network
- Convolutional Neural Networks
- ConvNet Architecture
- Overfitting and Regularization
- Max Pooling and ReLU activations
- Dropout
- Strides and Zero Padding
- Coding Deep ConvNets demo
- Visualizing NN using Tensorflow
- Tensorboard
- How to compose Models in Keras
- Sequential Composition
- Functional Composition
- Predefined Neural Network Layers



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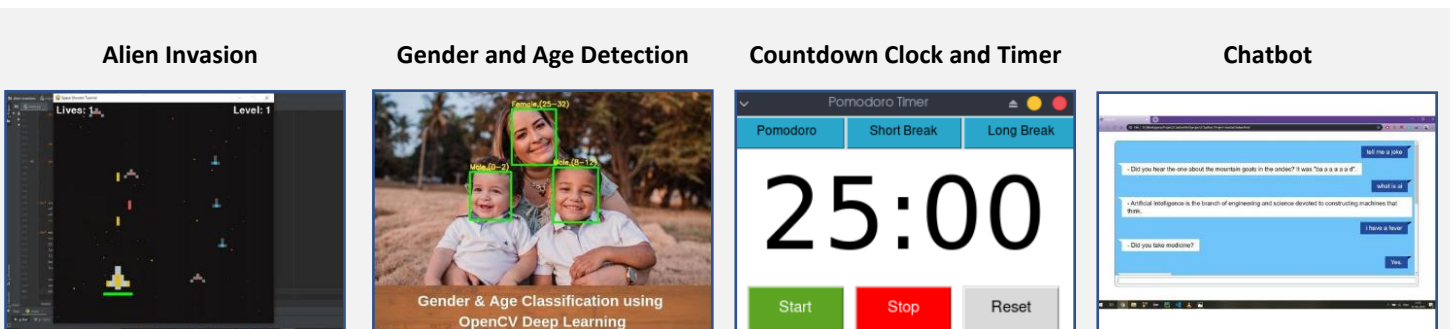
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How will your training work?

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- Learn with Hands-on practical
- Do the project work
- Give the final quiz
- Get a certificate in Python Programming

What projects you can build?



Course Curriculum

- Introduction
- The Programming Cycle for Python
- Getting started
- Variables and simple data types
- Elements of Python
- Type Conversion
- Expressions
- Assignment Statement
- Arithmetic Operators
- Operator Precedence
- Boolean Expression
- Introducing list
- Working with lists
- For Loop
- Nested Loops
- Nested Loops
- Tuples
- Unpacking Sequence
- Lists
- Mutable Sequences
- List Comprehension
- Sets
- If statements
- Conditional
- Conditionals (Continued)
- Expression Evaluation
- Float Representation
- Dictionaries
- User input and loops
- Break and Continue
- Function
- Parts of A Function
- Execution of A Function
- Keyword and Default Arguments
- Scope Rules
- String
- Indexing and Slicing of Strings
- More Slicing
- Higher Order Functions
- Sieve of Eratosthenes
- Abstract Data Types
- Classe
- Modules
- Importing Modules
- Classes
- Special Methods
- Class Example
- Inheritance
- Inheritance and OOPS
- Files and Exceptions
- File I/O
- Exceptions
- Testing your code
- Assertion
- Iterators
- Recursion
- Simple Search
- Estimating Search Time
- Binary Search
- Estimating Binary Search Time
- Recursive Fibonacci
- Tower Of Hanoi
- Sorting
- Selection Sort
- Merge List
- Merge Sor
- Higher-Order Sort

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Step 2: Click on “Enroll & Pay” Button



Step 3: Enter coupon code and click on “Apply Coupon” Button

