ZENUS
TRAINING | DEVLOPMENT | PLACEMENT

CERTIFICATION IN DEEP LEARNING

Master's in DEEP Learning & and take your career to the next level!

Who can Join the Course?

- Undergraduate or graduate students in Computer Science, Data Science, Engineering, Mathematics, or Physics.

- Ideal for those who already have some exposure to machine learning or Python programming.

- Software engineers, data scientists, AI engineers, and researchers looking to specialize in neural networks and AI.

GIMPLES OF OUR SUCCESSFUL TRANSITIONS

facebook.
Reviews · 4.6 ★★★★★

Justdial™
Reviews
4.8 ★★★★★

Google
Reviews
4.8 ★★★★★

Sulekha
Reviews
4.9 ★★★★★

PROGRAM CURRICULUM-I

SCALA (OBJECT ORIENTED AND FUNCTIONAL PROGRAMMING)

- Getting started With Scala.
- Scala Background, Scala Vs Java and Basics.
- Interactive Scala – REPL, data types, variables,expressions, simple functions.
- Running the program with Scala Compiler.
- Explore the type lattice and use type inference
- Define Methodsand Pattern Matching.

SCALA ENVIRONMENT SET UP.

- Scala set up on Windows.
- Scala set up on UNIX.

FUNCTIONAL PROGRAMMING.

What is Functional Programming.,

- Differences between OOPS and FPP.

COLLECTIONS (VERY IMPORTANT FOR SPARK)

- Iterating, mapping, filtering and counting
- Regular expressions and matching with them.
- Maps, Sets, group By, Options, flatten, flat Map
- Word count, IO operations,file access, flatMap

OBJECT ORIENTED PROGRAMMING

- Classes and Properties.
- Objects, Packaging and Imports. Traits.
- Objects, classes, inheritance, Lists with multiple related types, apply

INTEGRATIONS

- What is SBT?
- Integration of Scala in Eclipse IDE.

PROGRAM CURRICULUM-II

- Integration of SBT with Eclipse.

SPARK CORE.

- Batch versus real-time data processing
- Introduction to Spark, Spark versus Hadoop
- Architecture of Spark.
- Coding Spark jobs in Scala Exploring the Spark shell -> Creating Spark Context.
- RDD Programming
- Operations on RDD. Transformations
- Actions
- Loading Data and Saving Data.
- Key Value Pair RDD.
- Broad cast variables.
- **PERSISTENCE.**
- Configuring and running the Spark cluster.

- Exploring to Multi Node Spark Cluster.
- Cluster management
- Submitting Spark jobs and running in the cluster mode.
- Developing Spark applications in Eclipse
- Tuning and Debugging Spark.

CASSANDRA (N0SQL DATABASE)

Learning Cassandra

- Getting started with architecture Installing Cassandra.
- Communicating with Cassandra. Creating a database.
- Create a table
- Inserting Data
- Modelling Data.
- Creating an Application with Web.
- **Updating and Deleting Data.**

PROGRAM CURRICULUM-III

- SPARK INTEGRATION WITH NO SQL (CASSANDRA) AND AMAZON EC2
- Introduction to Spark and Cassandra Connectors.
- Spark With Cassandra -> Set up. Creating Spark Context to connect the Cassandra. Creating Spark RDD on the Cassandra Data base. Performing Transformation and Actions on the Cassandra RDD. Running Spark Application in Eclipse to access the data in the Cassandra.
- Introduction to Amazon Web Services.
- Building 4 Node Spark Multi Node Cluster in Amazon Web Services. Deploying in Production with Mesos and YARN.

- **SPARK STREAMING**
- Introduction of Spark Streaming. Architecture of Spark Streaming
- Processing Distributed Log Files in Real Time
- Discretized streams RDD. Applying Transformations and Actions on Streaming Data Integration with Flume and Kafka. Integration with Cassandra Monitoring streaming jobs.
- SPARK SQL
- Introduction to Apache Spark SQL The SQL context
- Importing and saving data Processing the Text files,JSON and Parquet Files
- DataFrames
- user-defined functions
- Using Hive
- Local Hive Metastore server
- **SPARK MLIB.**

PROGRAM CURRICULUM-IV

- Introduction to Machines Learning Types of MachineLearning.
- Introduction to Apache Spark MLLib Algorithm
- Machine Learning Data Types and working with MLLib.
- Regression and Classification Algorithms.
- Decision Trees in depth.
- Classification with SVM, Naive Bayes
- Clustering with K-Means Building the Spark server

ZENUS CAREER SERVICES

Career-oriented Session
Attend 10+ career-oriented session by industry mentors and prepare your career trajectory

Profile Building
Deep Learning Programming resume and LinkedIn profile to make an impression on top employers

Dedicated Job Portal Access
Get exclusive access to 20+* job posting per month on Zenus's job portal

Mock Interview Preparation
prepare with mock interviews including most asked question by top employers

1:1 Mentoring Session
Get 1:1 guidance at every step in your career transition to Deep Learning Programming

Placement Assistance
Placement opportunities are provided once the learner is moved to the placement pool upon clearing Placement Readiness Test(PRT)**

NO. 1 AWARD WINNING TRAINING COMPANY

Awared By Ex-Indian Cricketer Chetan Sharma Sir

Awared By Ex-Indian Cricketer Sandip Patil Sir

VISIT US

Zenus Infotech India Pvt. Ltd.

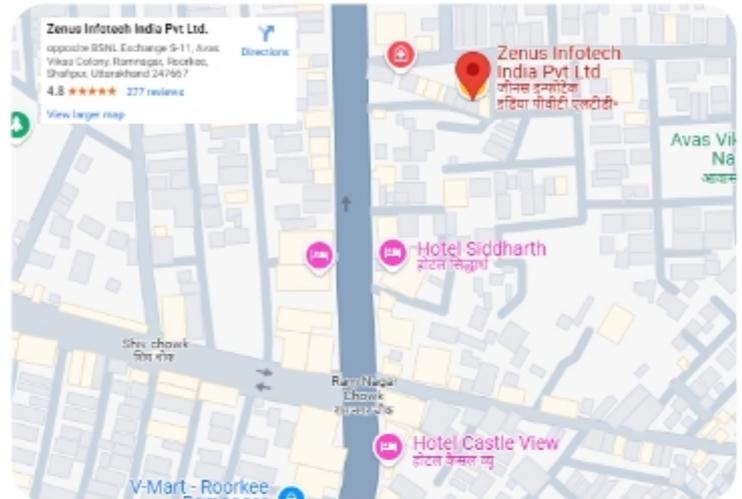📍 S-11, Gate-1, Avas Vikas , Opposit BSNL Telephoone Exchange, Roorkee

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STUDENT TESTIMONIALS

Shivant Tyagi
★★★★★

Our experince with ZENUS INFOTECH has been very good. its the best company in india for industrial training and placements.

Abdul Raoof
★★★★★

Good teches.And Good teacher .Zenus teacher is helping person that solve the asking question .Zenus is a wonderful platform

Piyush Kumar
★★★★★

I feel my self with a great weight of knowledge after doing training from Zenus Infotech

Prabhat Saini
★★★★★

Extremely nice atmosphere to learn softwares and knowledgeable and helpful faculty with great experience.

Sumit Pant
★★★★★

Highly skilled staffs well as good place to work ..the faculties are very good teachers

Ishant Chauhan
★★★★★

Highly experienced and project oriented training received with full support from the trainner. Thanks Zenus Infotech