



**31000+**

Enrolled Students

**10000+**

Placed Students

**150+**

Company Tie-ups

**100+**

Job Oriented Courses

Master Diploma in  
**Data Science**



# Data Science

Learn to analyze complex data, make strategic decisions, and solve real-world problems. With high earning potential and a growing job market, our Data Science Courses offer exciting career opportunities. Take a step and start your journey towards becoming a data-driven leader.

## Data Science Software

Data Science is at the forefront of technological evolution, transforming how we process and utilise data. Today's industries across various sectors are data-driven, leveraging advanced analytics to inform strategic decisions, improve efficiency, and drive innovation. Data science is at the core of these transformative advancements, from healthcare and finance to retail and tech. Equip yourself with the skills to lead in this data-centric era and shape the next wave of technological progress with our Data Science Courses.



### Data Collection & Cleaning

Learn how to effectively collect and clean data in data science to enable well-informed decision-making and achieve actionable insights



### Data Visualization & Communication

Turn complex datasets into clear, impactful visuals, allowing for better communication of insights and data-driven storytelling.



### Data Analysis & Modeling

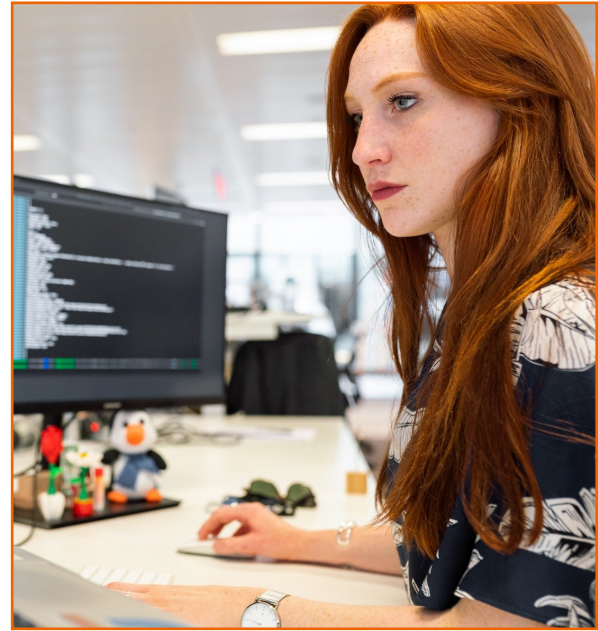
Discover how to uncover patterns and predict future trends with advanced data analysis and modelling techniques essential for making informed, strategic decisions.

# Best Full Stack Development Course with Python

Master full stack development with Python and build dynamic web applications. Learn front-end, back-end, databases, and deployment with hands-on projects. Gain in-demand skills with our full stack development course to excel in the tech industry. Enroll now and start your journey toward a successful development career!

## Overview

This Full Stack Development Course with Python, equipping you with front-end, back-end, and database management skills. Learn to build dynamic web applications using frameworks, APIs, and deployment strategies. Gain hands-on experience and prepare for a successful career in web development.



## Why Choose This Course?

Master Full Stack Development with Python! Learn front-end (HTML, CSS, JavaScript, React), back-end (Python, Django), and databases (MongoDB, SQL). Build real-world projects, gain hands-on experience, and develop industry-ready skills for a successful career in web development.



### 100% Placement Assistance Program

Job placement assistance readiness.



### Real time projects

Receive continuous feedback to enhance your learning.



### Continuous Feedback

Receive continuous feedback to enhance your learning.

# Transform Your Data Skills with Advanced Python

## TRAINING PRICE

Pls Contact For More Information

## COURSE DURATION

2 Months (Regular / Weekend) 1 & ½ Hour

## ONLINE / OFFLINE

Yes / Yes

## Prerequisites

Basic Computer Skills

## Topics Covered

### • Overview

- Frontend Development
- Backend Development
- Database Management
- **Frontend Development**
- **HTML5/CSS3**
- Introduction to HTML5
- Semantic HTML
- Forms Media Elements, Tables and Lists
- HTML5 APIs and Advanced Features
- CSS3 Basics and Styling
- Attribute Selectors and Styling Basics
- CSS Box Model and Pseudo-classes
- Positioning and Advanced Selectors
- CSS Flexbox, Grid Layout, Transitions, Animations, and Responsive Design

### • Javascript

- Introduction to Javascript
- Operators & Conditionals
- Loops and Iteration
- Functions
- Arrays
- Objects
- DOM Manipulation
- Events
- String Manipulation
- Error Handling
- Fetch API and Promises

### • React

- Setting up a Development Environment
- Understanding JSX Syntax
- Creating and Rendering React Components
- Functional vs. Class Components

- Props and State Management in React
- Introduction to useState
- Event Handling in React
- Controlled Components and Handling User Input with Forms
- React Router Basics
- Reusable Components & Lifecycle Methods
- React Router: Nested Routes, Parameters, and Query Strings
- Connecting React Components to Redux
- Advanced Hooks
- Performance Optimization
- Advanced React Router
- Fetching and Integrating External APIs in React

### • Backend Development

#### • Python

- Introduction to Python
- Data Types and Variables
- Object-Oriented Programming (OOP)
- File Handling
- Advanced Python Concepts
- Deployment and Version Control

#### • Django

- Introduction to Frontend
- Introduction to Django
- Displaying Hyperlinks – Project
- Creating a Website – Project
- Creating Administration Panel
- Creating First Page of Our Site
- Django Forms Creation
- Django's Email Function-

### ality

- Django Template Language
- Integrating Bootstrap into Django
- Sessions and Cookies
- Using Other Databases in Django
- Django RESTful API
- Live Project Implementation

## Database Management

### MongoDB

- Introduction to MongoDB
- MongoDB Basics
- CRUD Operations
- Basic Querying
- Cursor and Pagination
- Advanced Querying
- Indexing Basics
- Aggregation Framework
- Schema Design
- MongoDB Administration
- MongoDB Tools

### SQL

- Introduction to SQL
- DDL vs DML
- DQL
- Built-in SQL Functions
- Joins and Sub Query
- Stored Procedure and Triggers
- Window Functions

### Project Work

- Building a personal portfolio website.
- Developing a web application that incorporates user authentication, data storage, and dynamic content

**Receive the following when attending a course at Milestone :**

- **Placement Support**
- **Course Material**

## Exams and Certifications:

- **Python**

## Who should attend

- **10th and 12th Student and Graduate from any stream.**

## Targeted Job Roles

- **Full Stack Developer**
- **Python Developer**
- **Web Developer**
- **Software Engineer**
- **Backend Developer**
- **Frontend Developer**
- **Database Administrator**

<https://milestone.ac.in/courses/full-stack-development-course>



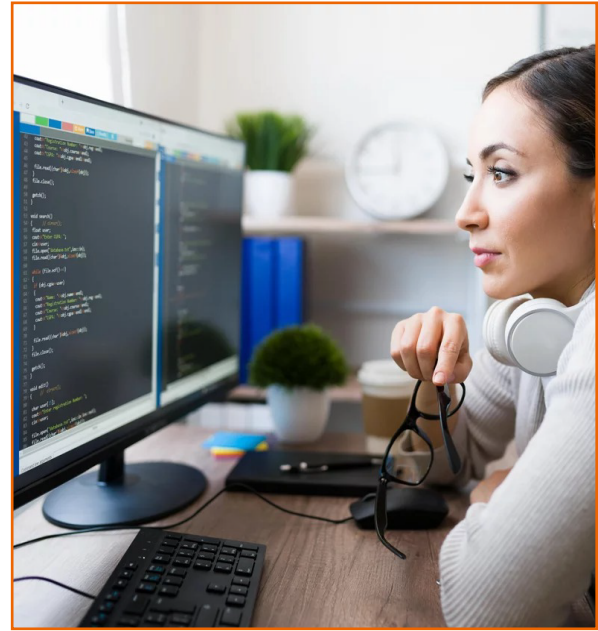
**To Know More Information**

# Best Full Stack Development with Java

Master front-end and back-end development with the Best Full Stack Development with Java Course for Career Success. Learn databases, frameworks, and industry-relevant skills through hands-on training. Build job-ready expertise and take the next step in your tech career today!

## Overview

Learn full stack development with Java and build expertise in front-end, back-end, and database management. Master HTML, CSS, JavaScript, React, Java, Spring Boot, and SQL. Develop dynamic web applications, work with RESTful APIs, and gain hands-on experience to prepare for a successful career in web development.



## Why Choose This Course?

Master Full Stack Development with Java! Learn front-end (HTML, CSS, JavaScript, React), back-end (Java, Spring Boot), and databases (SQL, MongoDB). Build real-world projects, gain hands-on experience, and develop industry-ready skills for a successful web development career.



### 100% Placement Assistance Program

Job placement assistance readiness.



### Real time projects

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### Continuous Feedback

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# Best Full Stack Development with Java

## TRAINING PRICE

Pls Contact For More Information

## COURSE DURATION

2 Months (Regular / Weekend) 1 & ½ Hour

## ONLINE / OFFLINE

Yes / Yes

## Prerequisites

Basic Computer Skills

## Topics Covered

### • Overview

- Frontend Development
- Backend Development
- Database Management

### • Frontend Development

#### • HTML5/CSS3

- Introduction to HTML5
- Semantic HTML
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- CSS Box Model and Pseudo-classes
- Positioning & Advanced Selectors
- CSS Flexbox, Grid Layout, Transitions, Animations, and Responsive Design

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#### • React

- Setting up a Development Environment
- Understanding JSX Syntax
- Creating and Rendering React Components
- Functional vs. Class

### Components

- Props and State Management in React
- Introduction to useState
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- Controlled Components and Handling User Input with Forms
- React Router Basics
- Reusable Components & Lifecycle Methods
- React Router: Nested Routes, Parameters, and Query Strings
- Connecting React Components to Redux
- Advanced Hooks
- Performance Optimization
- Advanced React Router
- Fetching and Integrating External APIs in React

### • Backend Development • Java And Spring Boot

- Introduction to Java
- Java Basics & Eclipse
- Operators & Expressions
- Control Statements
- Java OOP
- Exception Handling
- Interfaces: Purpose, Definition, Implementation, Extending
- Multi-Threaded Programming: Basics, Thread Definition, Synchronization
- Database Programming

#### • Django

- Introduction to Frontend
- Introduction to Django
- Displaying Hyperlinks – Project
- Creating a Website – Project
- Creating Administration

### Panel

- Creating First Page of Our Site
- Django Forms Creation
- Django's Email Functionality
- Django Template Language
- Integrating Bootstrap into Django
- Sessions and Cookies
- Using Other Databases in Django
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- Live Project Implementation

### Database Management MongoDB

- Introduction to MongoDB
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- CRUD Operations
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- Cursor and Pagination
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- Indexing Basics
- Aggregation Framework
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- MongoDB Administration
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### Project Work

- Building a personal portfolio website.
- Developing a web application that incorporates user authentication, data storage, and dynamic content

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- Placement Support
- Course Material

### Exams and Certifications:

- Java

### Who should attend

- 10th and 12th Student and Graduate
- from any stream.

### Targeted Job Roles

- Full Stack Developer
- Java Developer
- Software Engineer
- Web Developer
- Backend Developer
- Frontend Developer
- Application Developer

<https://milestone.ac.in/courses/full-stack-development-with-java-course>



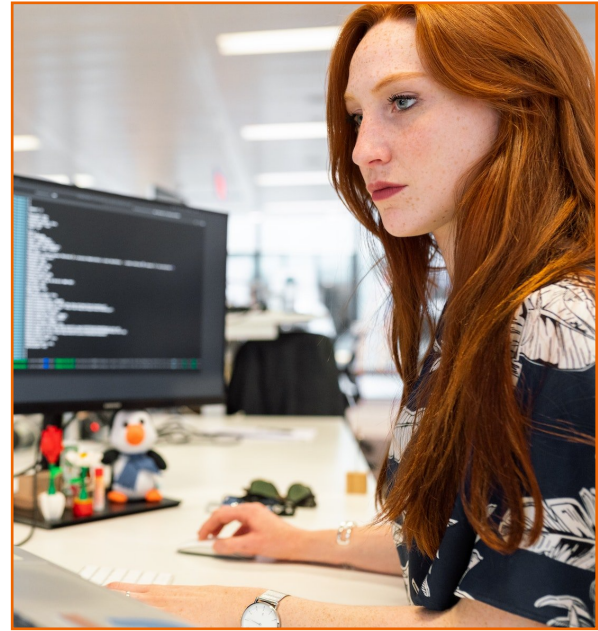
To Know More Information

# Master the Programming Skills with Python

Embark on a transformative journey combining Python programming with essential data science tools. Python With Data Science course covers core programming concepts and advanced data analysis techniques using libraries like NumPy, Pandas, and Matplotlib, empowering you to tackle data challenges effectively.

## Overview

The Python with Data Science course bridges Python programming with data science, providing a thorough understanding of both fundamental programming skills and advanced data analysis techniques. You will learn to use Python for data manipulation, visualization, and web scraping, preparing you for data science and analytics roles.



## Why Choose This Course?

Elevate Your Data Science and Python Skills with Our Python with Data Science course which integrates Python programming with advanced data science techniques, providing a comprehensive learning experience. Gain practical skills and real-world knowledge to excel in data analysis and visualization.



### 100% Placement Assistance Program

Job placement assistance readiness.



### Real time projects

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### Continuous Feedback

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# Master the Programming Skills with Python

## TRAINING PRICE

Pls Contact For More Information

## COURSE DURATION

2 Months (Regular / Weekend) 1 & ½ Hour

## ONLINE / OFFLINE

Yes / Yes

## Prerequisites

Basic Computer Skills

## Topics Covered

### Overview

- Overview
- History of Python
- Python Features and Applications

### Environment Setup

- Local Environment Setup
- Installing and Running Python
- Standard Views

### Basic Syntax

- First Python Program
- Python Identifiers, Keywords
- Indentation, Comments

### Variable Types

- Assigning Values
- Standard Data Types (Numbers, Strings, Lists, Tuples, Dictionary)
- Data Type Conversion

### Basic Operators

- Arithmetic, Comparison, Assignment Operators
- Logical Operators
- Membership and Identity Operators

### Strings

- Accessing, Updating, and Formatting Strings
- Escape Characters and Special Operators

### Decision Making

- if, if-else, elif Statements
- Nested Conditions

### Loops

- While and For Loops
- Iterating by Sequence

### Index

- Nested Loops

### Data Structures

- Lists, Tuples, Sets, Dictionaries

### Modules

- Importing Modules
- Creating and Using User-defined Modules

### Files I/O

- Opening, Reading, Writing Files
- File Object Attributes and Methods

### Exceptions

- Handling Exceptions
- try-except, try-finally, try-except-else
- Raising and User-Defined Exceptions

### Classes and Objects

- OOP Terminology
- Creating and Managing Classes and Objects
- Inheritance and Polymorphism

### Course Project

- Real-Life Application Project

Receive the following when attending a course at Milestone :

- Placement Support
- Course Material

### Exams and Certifications:

- Python

### Who should attend

- 10th and 12th Student and Graduate
- from any stream.

### Targeted Job Roles

- Software Engineer
- Data Scientist
- Data Analyst
- Web Developer
- Quality Assurance Engineer
- Educator
- Freelancer

<https://milestone.ac.in/courses/python-programming>



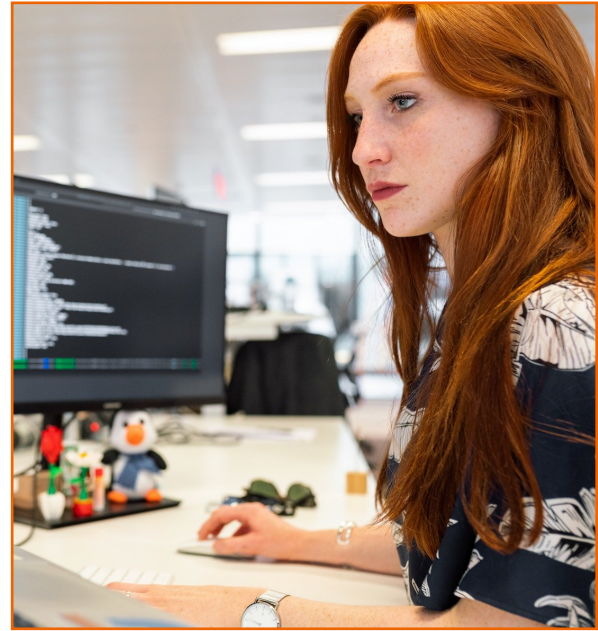
To Know More Information

# Transform Your Data Skills with Advanced **Python With Data Science**

Embark on a transformative journey combining Python programming with essential data science tools. Python With Data Science course covers core programming concepts and advanced data analysis techniques using libraries like NumPy, Pandas, and Matplotlib, empowering you to tackle data challenges effectively.

## Overview

The Python with Data Science course bridges Python programming with data science, providing a thorough understanding of both fundamental programming skills and advanced data analysis techniques. You will learn to use Python for data manipulation, visualization, and web scraping, preparing you for data science and analytics roles.



## Why Choose This Course?

Elevate Your Data Science and Python Skills with Our Python with Data Science course which integrates Python programming with advanced data science techniques, providing a comprehensive learning experience. Gain practical skills and real-world knowledge to excel in data analysis and visualization.



### **100% Placement Assistance Program**

Job placement assistance readiness.



### **Real time projects**

Receive continuous feedback to enhance your learning.



### **Continuous Feedback**

Receive continuous feedback to enhance your learning.

# Best Full Stack Development Course with Python With Data Science

## TRAINING PRICE

Pls Contact For More Information

## COURSE DURATION

2 Months (Regular / Weekend) 1 & ½ Hour

## ONLINE / OFFLINE

Yes / Yes

## Prerequisites

Basic Computer Skills

## Topics Covered

### Overview

- Overview
- History of Python
- Python Features and Applications

### Environment Setup

- Local Environment Setup
- Installing and Running Python
- Standard Views

### Basic Syntax

- Python Identifiers, Keywords
- Indentation, Comments

### Variable Types and Basic Operators

- Standard Data Types
- Arithmetic, Comparison, Logical Operators

### Strings

- String Operations and Formatting

### Decision Making

- if, if-else, elif Statements
- Nested Conditions

### Loops

- While and For Loops
- Iterating by Sequence Index
- Nested Loops

### Data Structures

- Lists, Tuples, Sets, Dictionaries

### Modules

- Importing and Creating Modules

### Files I/O

- File Object Attributes and Methods

### Exceptions

- Exception Handling Techniques

### Classes and Objects

- OOP Concepts and Implementation

### Web Scraping

- BeautifulSoup and Selenium Basics
- Extracting Data from Web Pages

### Data Science Libraries

- NumPy, Pandas, Matplotlib, seaborn
- Data Cleaning and Visualization

### Case Studies

- IPL Data Analysis
- Netflix and Hotstar Data Analysis

### Course Project

- Real-Life Application Project

Receive the following when attending a course at Milestone :

- Placement Support
- Course Material

### Exams and Certifications:

- Python

### Who should attend

- 10th and 12th Student and Graduate
- from any stream.

### Targeted Job Roles

- Full Stack Developer
- Python Developer
- Web Developer
- Software Engineer
- Backend Developer
- Frontend Developer
- Database Administrator

<https://milestone.ac.in/courses/python-with-data-science>



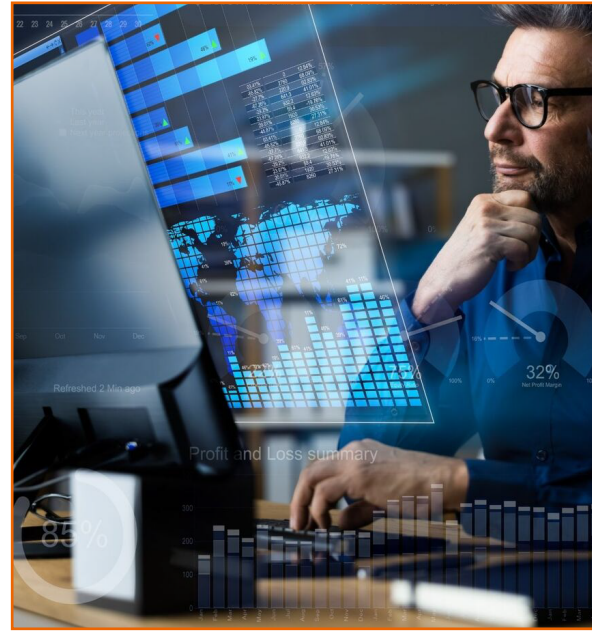
To Know More Information

# Advance Your Career with Post Graduation in Data Analytics

Deepen your expertise in data analytics with our comprehensive postgraduate course. The Post Graduation in Data Analytics Course covers data cleaning, visualization, and advanced analytics techniques, preparing you for high-demand roles in the data analytics field.

## Overview

Our Post Graduate in Data Analytics course offers an in-depth exploration of data analysis techniques, including SQL, Excel, Tableau, and Power BI. Focusing on practical applications and real-world case studies, this course equips you with the skills needed to excel in the competitive data analytics industry.



## Why Choose This Course?

Enhance Your Analytics Expertise with Practical Training. This Post Graduate in Data Analytics course provides a robust foundation in data analytics, combining theoretical knowledge with practical skills. Prepare for a successful career in data analytics with comprehensive training and real-world applications.



### 100% Placement Assistance Program

Job placement assistance readiness.



### Real time projects

Receive continuous feedback to enhance your learning.



### Continuous Feedback

Receive continuous feedback to enhance your learning.

# Advance Your Career with Post Graduation in Data Analytics

## TRAINING PRICE

Pls Contact For More Information

## COURSE DURATION

2 Months (Regular / Weekend) 1 & ½ Hour

## ONLINE / OFFLINE

Yes / Yes

## Prerequisites

Basic Computer Skills

## Topics Covered

### Logic Building

- Introduction to Programming Languages
- Algorithms and Data Structures

### SQL

- SQL Basics and Advanced Concepts
- Data Definition and Manipulation
- Joins, Sub-queries, and Stored Procedures

### Excel

- Data Entry, Formatting, and Formula
- Data Visualization and Pivot Tables
- Advance Excel

### Data Visualization and reporting using excel

- Lookup and Reference
- Pivot Tables
- Charts
- What-if Analysis
- Intro to Macros
- Data Visualization/Graph
- Pivot table and Heat Map
- Highlight Table
- Bar Chart
- Line Chart
- Area Chart
- Pie Chart
- Scatter Plot
- Word Cloud
- Tree Map
- Blended Axis
- Dual Axis
- Reference lines
- Reference bends
- Trend lines
- Dashboards and Actions

- Dashboard design
- Dashboards
- Dashboard actions
- Drilldown report

### Tableau

- Tableau Architecture and Features
- Data Visualization Techniques
- Dashboard Design and Interactivity

### Power BI

- Introduction to Power BI Tools
- Data Preparation and Visualization
- DAX Queries and Report Creation

### Case Studies

- Sales Analysis
- Real-World Data Projects

### Course Project

Industry-Relevant Analytics Project

**Receive the following when attending a course at Milestone :**

- **Placement Support**
- **Course Material**

### Exams and Certifications:

- **Python**

### Who should attend

- **10th and 12th Student and Graduate**
- **from any stream.**

### Targeted Job Roles

- **Software Engineer**
- **Data Scientist**
- **Data Analyst**
- **Web Developer**
- **Quality Assurance Engineer**
- **Educator**
- **Freelancer**

<https://milestone.ac.in/courses/diploma-data-analytics>



**To Know More Information**

# Transform Your Career with Post Graduation in Data Science with AI & ML

Step into the future with our Post Graduation in Data Science course with AI & ML. Covering data science fundamentals, machine learning, and artificial intelligence, this program prepares you for advanced data science and AI roles with practical, hands-on experience.

## Overview

This Post Graduation in Data Science course combines data science with artificial intelligence and machine learning. Learn to manage and analyze data, apply machine learning algorithms, and explore AI techniques. With hands-on projects and case studies, you'll gain the expertise needed for high-demand AI and data science roles.



## Why Choose This Course?

Lead the Future with Expertise in Data Science and AI. Our program provides a deep understanding of data science and advanced AI techniques, preparing you for leadership roles. Gain practical skills and industry experience to drive data science and AI innovation.



### 100% Placement Assistance Program

Job placement assistance readiness.



### Real time projects

Receive continuous feedback to enhance your learning.



### Continuous Feedback

Receive continuous feedback to enhance your learning.

# Transform Your Career with Post Graduation in Data Science with AI & ML

## TRAINING PRICE

Pls Contact For More Information

## COURSE DURATION

2 Months (Regular / Weekend) 1 & ½ Hour

## ONLINE / OFFLINE

Yes / Yes

## Prerequisites

Basic Computer Skills

## Topics Covered

### • Overview of Data Science

- Data Science Fundamentals
- Data Manipulation and Analysis

### • Python Programming

- Python Installation and Basics
- Syntax and programming Structures
- Variables, Operators, Keywords, Expressions
- Decision Making: if, elif, else
- Loops: while, for, break, continue, pass
- List, Tuple, Dictionary, Set
- Functions, Modules
- Object Oriented Programming
- Exception handling
- File handling
- Web scrapping and regular expression (RegEx)
- CASE STUDY -: IMDB TOP 250 MOVIE DATA WEB SCRAPPIN
- Libraries for data manipulation and data visualization
- Introduction to numpy and its functions
- Introduction to pandas and its functions
- Introduction to matplotlib and seaborn for data visualization

### • Machine Learning

- Introduction to Machine Learning
- Exploratory Data Analysis

(EDA)

- Introduction to Linear Regression
- Introduction to Overfitting and underfitting
- Introduction to Logistic Regression
- Introduction to KNN
- Introduction to SVM
- Naive Bayes Classifier
- Decision Tree classifier
- Introduction to Ensemble learning
- Unsupervised Machine Learning Algorithm
- Project deployment using Flask Framework

### • Artificial Intelligence

- AI Concepts and Techniques
- Neural Networks and Deep Learning
- AI Applications and Tools

### • Deep Learning

- Artificial Neural Network (ANN)
- What is Deep Learning
- DL vs ML
- Forward and backward propagation
- Activation functions
- Optimizer
- Early stopping and dropout layer to handle overfitting
- CASE STUDY – DIGIT CLASSIFICATION USING ANN

### • Computer Vision

- Image pre-processing
- Detecting edges
- Understanding Convolutional layer and pooling

layer

- Image classification using CNN
- Image Augmentation
- Reading text data from an image.
- Case Study -: Hand gesture volume controller using MediaPipe
- Case Study -: AI Exercise counter using MediaPipe

### Course Project

- Comprehensive Data Science and AI Project

**Receive the following when attending a course at Milestone :**

- Placement Support
- Course Material

### Exams and Certifications:

- Python

### Who should attend

- 10th and 12th Student and Graduate
- from any stream.

### Targeted Job Roles

- Software Engineer
- Data Scientist
- Data Analyst
- Web Developer
- Quality Assurance Engineer
- Educator
- Freelancer

<https://milestone.ac.in/courses/pg-in-data-science-with-ai-ml>



To Know More Information

# Transform Your Career with MERN Stack Developer

Launch your IT career with our MERN Stack Developer Course! Learn from industry professionals, build real-world projects, and master in-demand full-stack skills. Benefit from dedicated placement support to help you land your dream job in web development.

## Overview

Master full-stack development with our MERN Stack Developer Course. Learn MongoDB, Express.js, React, and Node.js through hands-on projects. Build real-world web apps and gain the skills needed to launch a successful career in modern web development.



## Why Choose This Course?

### Become a Pro MERN Stack Developer

Kickstart your web development journey with our MERN Stack Developer Course. Ideal for beginners and aspiring developers, this course covers MongoDB, Express.js, React, and Node.js. With hands-on projects, a structured curriculum, and expert support, you'll gain real-world skills and confidence.



### 100% Placement Assistance Program

Job placement assistance readiness.



### Real time projects

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### Continuous Feedback

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# Transform Your Career with MERN Stack Developer

## TRAINING PRICE

Pls Contact For More Information

## COURSE DURATION

2 Months (Regular / Weekend) 1 & ½ Hour

## ONLINE / OFFLINE

Yes / Yes

## Prerequisites

Basic Computer Skills

## Topics Covered

- **Overview**
- **Mongo DB**
- **Introduction to MongoDB**
- Overview of NoSQL Databases
- Differences Between NoSQL and SQL
- Features of MongoDB
- **MongoDB Basics**
- Understanding Databases, Collections, and Documents
- BSON Format and JSON
- Data Types Supported by MongoDB
- **CRUD Operations**
- Insert, Query, Update, and Delete Operations
- Hands-on Practice with Basic CRUD
- **Basic Querying**
- Basic Query Operators (\$eq, \$ne, \$gt, \$lt, \$in, \$nin)
- Logical Query Operators (\$or, \$and, \$not, \$nor)
- Projection and Filtering
- **Cursor and Pagination**
- Working with Cursors
- Pagination Techniques
- **Aggregation Framework Basics (Introduction)**
- **Advanced Querying**
- Array Queries (\$all, \$size, \$elemMatch)
- Text Search and Geospatial Queries
- Regular Expression Queries
- Working with Timestamps and Dates
- 
- **Express JS**
- **Introduction to Express.js**
- **Express.js Fundamentals**
- **Routing in Express.js**
- **Middleware in Express.js**
- **Working with HTTP**

- **Requests and Responses**
- **Handling Form Data and File Uploads**
- **Working with Cookies & Sessions**
- **Template Engines in Express.js**
- **Building a RESTful API with Express.js**
- **Working with Databases in Express.js**
- **Authentication & Authorization in Express.js**
- **Error Handling & Debugging in Express.js**
- **Security & Best Practices**
- **WebSockets & Real-Time Communication**
- **Express.js Performance Optimization**
- **Testing Express.js Applications**

### React

- **React Basics**
- Overview of React and its benefits.
- Setting up a development environment.
- Understanding JSX syntax.
- Creating and rendering React components.
- Functional vs. class components.
- Props and state management in React.
- Introduction to useState.
- Event handling in React.
- Controlled components and handling user input with forms.
- React Router basics: Setting up routes, Simple navigation using Link.
- Reusable components
- Component lifecycle methods.
- useEffect for side effects.
- Forms with validation

- techniques.
- React Router: Nested routes, parameters, and query strings.
- State management with Redux: Actions, reducers, and store setup.
- Connecting React components to Redux.
- Asynchronous actions with Redux Thunk.
- Advanced hooks: useContext and creating custom hooks
- Performance optimization: useMemo and useCallback.
- Advanced React Router: NavLink, Redirect, Lazy loading and code splitting.
- Fetching and integrating external APIs in React.

### Node.js

- **Introduction to Node.js**
- What is Node.js?
- Features of Node.js
- Advantages & Disadvantages
- Installing Node.js
- **REPL (Read-Eval-Print Loop)**
- What is REPL?
- Evaluating Expressions in REPL
- Loops & Commands in REPL
- Example Usage
- **Node.js Core Modules**
- Introduction to Modules
- Types of Modules:
- Core Modules (fs, http, path, os, etc.)
- Local Modules (Creating Your Own)
- Third-party Modules (via NPM)
- **Node Package Manager (NPM)**
- What is NPM?
- Installing & Removing Packages
- Global vs. Local Packages
- Managing Dependencies (package.json)
- Understanding package-lock.json
- **Understanding Node.js Asynchronous Programming**

**Receive the following when attending a course at Milestone :**

- **Placement Support**
- **Course Material**

### Exams and Certifications:

- **Mern Stack Developer**

### Who should attend

- **10th and 12th Student and Graduate**
- **from any stream.**

### Targeted Job Roles

- **Software Engineer**
- **Data Scientist**
- **Data Analyst**
- **Web Developer**
- **Quality Assurance Engineer**
- **Educator**
- **Freelancer**

<https://milestone.ac.in/courses/mern-stack-developer-course>



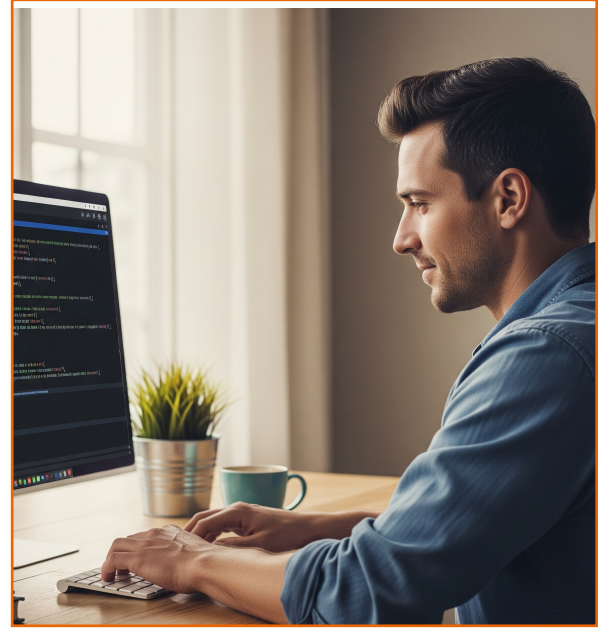
**To Know More Information**

# Transform Your Career with MEAN Stack Developer

Launch your IT career with our MEAN Stack Course! Learn from industry experts, build real-world web applications, and master in-demand full-stack skills with MongoDB, Express, Angular, and Node.js. Get dedicated placement support to land your dream job in web development.

## Overview

Our MEAN Stack Course helps you master full-stack development with MongoDB, Express.js, Angular, and Node.js. Learn through hands-on projects, build real-world web applications, and gain the skills needed to launch a successful career in modern web development.



## Why Choose This Course?

### Become a Pro MEAN Stack Developer

Kickstart your web development journey with our MEAN Stack Course. Ideal for beginners and aspiring developers, this course covers MongoDB, Express.js, Angular, and Node.js. With hands-on projects, a structured curriculum, and expert support, you'll gain real-world skills and confidence.



### 100% Placement Assistance Program

Job placement assistance readiness.



### Real time projects

Receive continuous feedback to enhance your learning.



### Continuous Feedback

Receive continuous feedback to enhance your learning.

# Transform Your Career with MEAN Stack Developer

## TRAINING PRICE

Pls Contact For More Information

## COURSE DURATION

2 Months (Regular / Weekend) 1 & ½ Hour

## ONLINE / OFFLINE

Yes / Yes

## Prerequisites

Basic Computer Skills

## Topics Covered

### Overview

#### Mongo DB

- **Introduction to MongoDB**
  - Overview of NoSQL Data-bases
  - Differences Between NoSQL and SQL
  - Features of MongoDB
- **MongoDB Basics**
  - Understanding Databases, Collections, and Documents
  - BSON Format and JSON
  - Data Types Supported by MongoDB
- **CRUD Operations**
  - Insert, Query, Update, and Delete Operations
  - Hands-on Practice with Basic CRUD
- **Basic Querying**
  - Basic Query Operators (\$eq, \$ne, \$gt, \$lt, \$in, \$nin)
  - Logical Query Operators (\$or, \$and, \$not, \$nor)
  - Projection and Filtering
- **Cursor and Pagination**
  - Working with Cursors
  - Pagination Techniques
- **Aggregation Framework Basics (Introduction)**
- **Advanced Querying**
  - Array Queries (\$all, \$size, \$elemMatch)
  - Text Search and Geo-spatial Queries
  - Regular Expression Queries
  - Working with Time-stamps and Dates

#### Express JS

- **Introduction to Express.js**
- **Express.js Fundamentals**
- **Routing in Express.js**
- **Middleware in Express.js**
- **Working with HTTP**

#### Requests and Responses

- **Handling Form Data and File Uploads**
- **Working with Cookies & Sessions**
- **Template Engines in Express.js**
- **Building a RESTful API with Express.js**
- **Working with Databases in Express.js**
- **Authentication & Authorization in Express.js**
- **Error Handling & Debugging in Express.js**
- **Security & Best Practices**
- **WebSockets & Real-Time Communication**
- **Express.js Performance Optimization**
- **Testing Express.js Applications**

#### Angular

- **Introduction to Angular**
  - What is Angular and why use it?
  - Angular vs other frameworks (React, Vue)
  - Angular architecture overview
  - Setting up the Angular development environment
- **TypeScript Fundamentals for Angular**
  - Basics of TypeScript (types, interfaces, classes)
  - Modules and decorators
  - Using TypeScript in Angular projects
- **Angular Project Setup**
  - Creating a new Angular project with Angular CLI
  - Understanding project structure
  - Running and building Angular apps
- **Components and Tem-**

#### plates

- Creating and using components
- Component lifecycle hooks
- Data binding (Interpolation, Property binding, Event binding)
- Two-way data binding with ngModel
- Template reference variables
- **Directives in Angular**
  - Built-in directives (\*ngIf, \*ngFor, ngSwitch)
  - Attribute directives (ngStyle, ngClass)
  - Creating custom directives
- **6. Pipes in Angular**
  - Built-in pipes (date, currency, json, slice, etc.)
  - Parameterized pipes
  - Creating custom pipes

#### Node.js

- **introduction to Node.js**
  - What is Node.js?
  - Features of Node.js
  - Advantages & Disadvantages
  - Installing Node.js
- **REPL (Read-Eval-Print Loop)**
  - What is REPL?
  - Evaluating Expressions in REPL
  - Loops & Commands in REPL
  - Example Usage
- **Node.js Core Modules**
  - Introduction to Modules
  - Types of Modules:
    - Core Modules (fs, http, path, os, etc.)
    - Local Modules (Creating Your Own)
    - Third-party Modules (via NPM)
- **Node Package Manager (NPM)**
  - What is NPM?
  - Installing & Removing Packages
  - Global vs. Local Packages
  - Managing Dependencies (package.json)
  - Understanding pack-

**Receive the following when attending a course at Milestone :**

- **Placement Support**
- **Course Material**

#### Exams and Certifications:

- **Mern Stack Developer**

#### Who should attend

- **10th and 12th Student and Graduate**
- **from any stream.**

#### Targeted Job Roles

- **Software Engineer**
- **Data Scientist**
- **Data Analyst**
- **Web Developer**
- **Quality Assurance Engineer**
- **Educator**
- **Freelancer**

<https://milestone.ac.in/courses/mern-stack-developer-course>



**To Know More Information**

## REG. OFFICE THANE

201, Siddhashram CHS, Gokhale Rd, opp. Hanuman Temple, next to Ishan Arcade, Thane (W), 400602  
Contact: +91 9819857244 +91 8454065555 Email: [training@milestone.ac.in](mailto:training@milestone.ac.in)

## ANDHERI

10, Vivina Bldg. No. 3, NADCO Shopping Center, Next to Bus Depot, Andheri (W), Mumbai - 400058.  
Tel : +91 9702123388+91 9322842025  
Email: [andheri@milestone.ac.in](mailto:andheri@milestone.ac.in)

## BORIVALI

201, 2nd floor, Mudra Society, Chandavarkar Rd, opp. Dattani Trade Centre, behind Byke hotel, Borivali West, Mumbai, Maharashtra 400092.  
Phone: +91 9892694995 | +91 91378 75152  
Email: [borivali@milestone.ac.in](mailto:borivali@milestone.ac.in)

## GHATKOPAR

201 Rajgor Empire, khot Lane, Opp Bata showroom. Ghatkopar west. Mumbai - 400086  
Phone: +91 8369919983 | +91 8369984022 |  
Email: [ghatkopar@milestone.ac.in](mailto:ghatkopar@milestone.ac.in)

## RATNAGIRI

309 B wing, Navkar Plaza, Maruti mandir, Ratnagiri, Maharashtra 415612  
Phone: +91 7666464099 | 9029542464  
Email: [ratnagiri@milestone.ac.in](mailto:ratnagiri@milestone.ac.in)