

Full Stack Web Development

Develop and design and develop powerful modern web applications that form the foundation for the apps, websites, and systems for every business need.

What You will learn

Our commitment to equip you with end to end understanding of front-end and back-end web development training will cover various topics to ensure you become an expert full stack developer. Topics covered : HTML5, CSS3, JavaScript, Bootstrap, Ajax, Google APIs, jQuery Forms, jQuery Events, jQuery Plugins, jQuery Mobile, SPA, DOM Manipulation, REST API, Async Libraries, Angular-CLI, MVC Framework, Express JS, EJS Template, Jade, Handlebars, NoSQL, Socket.IO, Hapi, MongoDB Architecture, CRUD, Schema Design, Data Modelling, Indexing etc.

Training Curriculum:

➤ Python

- ✓ Intro to Python : Setting up of Python & Pycharm.
- ✓ Operators and Expressions
- ✓ Control Flow and Loops in Python
- ✓ Data Structures
- ✓ Input & Output User inputs with processed outputs
- ✓ Functions Introduction to functions
- ✓ Modules and Packages
- ✓ Exception Handling
- ✓ Regular Expressions (Regex)
- ✓ OOP I Learning Object Oriented Programming
- ✓ OOP II An introduction to inheritance
- ✓ Language processing Introduction to Artificial Intelligence and Python libraries
- ✓ Machine Learning An introduction to a popular machine learning algorithm

➤ HTML5 and CSS3

- ✓ HTML Fundamentals
- ✓ Basic Tags
- ✓ New Tags in HTML5
- ✓ Local Storage
- ✓ Index DB
- ✓ CSS3 Fundamentals
- ✓ CSS3 New Properties
- ✓ CSS3 Animation
- ✓ CSS3 Tooltips
- ✓ CSS @Media Query and CSS Pagination

➤ SQL and Mongo DB

- ✓ Introduction to MySQL
- ✓ Designing Databases
- ✓ Basic SQL
- ✓ Database Structures
- ✓ Doing Advanced Queries
- ✓ Managing Users and Privileges
- ✓ Introduction to NoSQL database system
- ✓ Implementation of JSON/BSON data types
- ✓ Scope of NoSQL in real-world scenarios
- ✓ Concept of sharding to learn scalability and availability

Performing CRUD operations to design schemas

➤ JavaScript and jQuery

- ✓ Intro to JavaScript Learning about basic data types in JavaScript
- ✓ Data Structures Loops and conditions in JavaScript
- ✓ Scripting and Events Learn how to modify webpage elements with JavaScript
- ✓ Functions Introduction to functions in JavaScript
- ✓ OOP Learning JavaScript bases object oriented programming
- ✓ JavaScript Application Use your JavaScript knowledge to create a shopping till
- ✓ Intro to jQuery Learning about jQuery functionality
- ✓ Functions Introduction to functions in jQuery
- ✓ Selectors Select and modify HTML elements dynamically
- ✓ Events and Effects Create animations and customisations
- ✓ Interactive Website Use your jQuery knowledge to make your website interactive
- ✓ Learn how to add Bootstrap to your website
- ✓ Explore how containers work
- ✓ Add classes to make things happen
- ✓ Media sizes and breakpoints
- ✓ Find out about what the Bootstrap Grid is and how it works

➤ Data management using MongoDB

- ✓ Django Web Framework Introduction to Django
- ✓ Migration and Django Admin
- ✓ Creating a Django App
- ✓ Rendering HTML Files
- ✓ Adding images and static files
- ✓ Adding navigation using Bootstrap
- ✓ Reusing HTML Code using Template Tags
- ✓ Models and Database
- ✓ Querysets and Database Shell
- ✓ Creating and Handling Forms

- ✓ **Integrating Bootstrap 4 with Django**
- ✓ **Sending data from View to Django Templates**
- ✓ **Django REST framework**
- ✓ **Unit testing with Django**
- ✓ **Hosting and deploying app in Heroku**