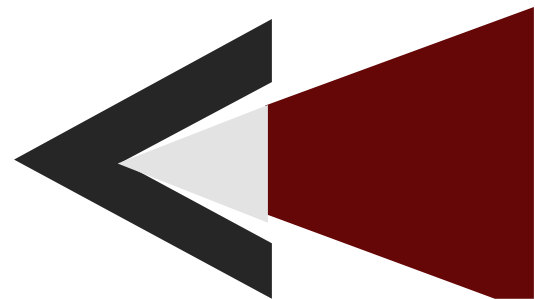




FULL STACK DEVELOPMENT FOR BEGINNERS TRAINING



COURSE CURRICULUM

Course 1 – Introduction

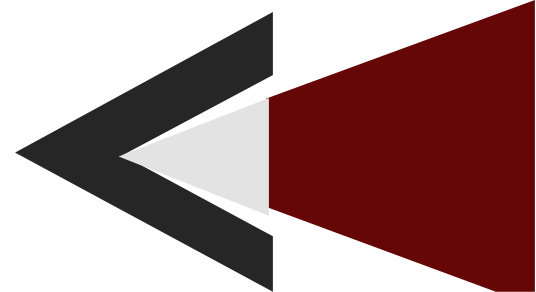
- Overview of Modern Web Development
- Basics of Full Stack Development
- Client-side Technologies
- Front-End Technologies
- Server-side Technologies
- Persistence Layer
- MVC Model
- Application Design Patterns
- Build and Test Tools
- Building A Simple App

Course 2 –SQL

- Introduction to SQL
- Managing Table Design
- Multiple Tables and Advanced Queries
- Views
- Transactions
- SQL Security Architecture

Course 3 –HTML & JavaScript

- Using Escape in HTML and JavaScript
- Event Handlers and Untrusted Data
- Securing Web Storage in JavaScript and HTML
- Writing Testable Code for JavaScript and HTML
- Unit Tests for JavaScript and HTML
- Parameters and Return Values in JavaScript and HTML
- Variables in JavaScript and HTML
- Using Null Values in JavaScript and HTML
- If and Switch Statements in JavaScript and HTML
- Working with Errors in JavaScript and HTML
- Error Handling in JavaScript and HTML
- Utilizing Exceptions in JavaScript and HTML
- Global Objects in JavaScript and HTML
- Handling Errors Locally in JavaScript and HTML
- Anticipating Errors in JavaScript and HTML
- APIs and Third-Party Risks



- JavaScript and CSS
- Client Trust Issues and JavaScript
- Browser and Plugin Issues
- SVG Exploits and JavaScript
- Securing JavaScript Code
- JavaScript Object Notation Defensive Techniques
- Web Workers and HTML
- Securing HTML Elements

Course 4 -CSS

- Creating a Multi-column Content Layout
- Creating a Grid Content Layout
- Using CSS Exclusions
- Implementing CSS Regions
- Using Media Queries
- Working with Media Query Characteristics
- Using Media Queries for Printing

Course 5 -REST API

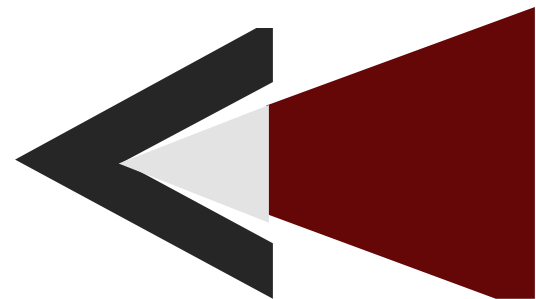
- Architecture of REST
- Types of Views in the REST Architecture
- Deploying Databases and APIs
- Security Features in REST
- Advance Features in REST
- Using Rest API in Node.js

Course 6 -DevOps

- Methodologies and Development
- Management and Capabilities
- Testing and Delivery

Course 7 -Node.js

- Introduction to Node.js
- Install Node.js
- Node.js CLI
- NPM Scripts
- Node.js Frameworks
- Express for Node.js
- NoSQL Storage Using Node.js
- Serve a Static HTML File



Course 8 – MongoDB

- MongoDB Overview
- Install MongoDB
- MongoDB Databases

Course 9 – Git hub

- Git for Developers
- GitHub for Developers

Course 10 – Web Communication Layer

- API Design
- Express Routing
- Connecting to MongoDB
- Developing the API
- Package.json
- Testing with Node
- Introduction to the MEAN stack
- Moving to the Cloud

Course 11 – jQuery

- Basic Setup and Features
- Using Essential Features and Functions
- jQuery: Advanced Features and Functions

Course 12 – Angular Development

- Introduction
- Libraries
- Reactive Programming
- Angular Material and Angular Elements
- Dependency Injection and ng-bootstrap
- Testing

