{ T } ZEE-TECH
A C A D E M Y

FULL STACK DEVELOPMENT

BENEFITS:

- COMPREHENSIVE SKILLSET
- LEARN IN-DEMAND SKILLS
- BUILD REAL-WORLD PROJECTS
- EXPERT INSTRUCTION
- JOB READINESS
- HIGH EARNING POTENTIAL
- ENTREPRENEURIAL SKILLS
- PROBLEM-SOLVING ABILITIES
- FAST CAREER PROGRESSION

TALK TO US

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Near Ewar Complex Landmark [The Universe]

ZEE-TECH ACADEMY

UNLOCK THE WORLD OF FULL STACK DEVELOPMENT

Master the Skills, Transform Your Career

Duration:

6 Months, 150 Hours Of Training,
Per Lecture 2 Hours Session

Let's See What We Do?

At Zeetech Academy, we believe in a dynamic, hands-on approach to Full Stack Development. We're dedicated to providing you with a comprehensive, practical, and engaging learning experience that sets you on the path to success. Our course is designed with a structured approach to ensure that you grasp the concepts effectively. We break down Full Stack Development into manageable modules, allowing you to build your knowledge step by step

Who Should Attend

This course is suitable for:

- Beginners looking to start a career in web development.
- Web developers wanting to enhance their skills.
- Entrepreneurs interested in creating their own web projects.
- Anyone passionate about technology and coding.

Our Structured Learning Modules.

Backend Mastery:
Explore server-side programming with Python and Django, Discover how to build robust, scalable server applications.

Frontend Fundamentals:
Dive into the world of HTML5, CSS, and JavaScript. Learn to create stunning user interfaces and responsive web designs.

Database Management:
Understand how to work with databases, including SQL systems, to store and retrieve data.

Frameworks and Libraries:
Master popular web development framework like Django and ReactJS. Create dynamic web applications that captivate users.

Version Control with Git:
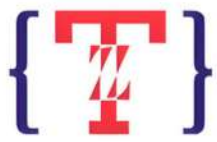Learn the art of tracking changes and collaborating on projects using Git and GitHub.

Deployment and Hosting:
Discover how to deploy your web applications on Lynux Servers and get your projects live for the world to see

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BACKEND

1. GETTING STARTED

WHAT IS PYTHON, INSTALLING PYTHON, PYTHON INTERPRETER, CODE EDITORS, YOUR FIRST PYTHON PROGRAM, PYTHON EXTENSION, LINTING PYTHON CODE, FORMATTING PYTHON CODE, RUNNING PYTHON CODE, PYTHON IMPLEMENTATIONS, HOW PYTHON CODE IS EXECUTED, QUIZ, START FOLLOW ME AROUND.

2. PRIMITIVE TYPE

VARIABLES, VARIABLE NAMES, STRINGS, ESCAPE SEQUENCES, FORMATTED STRINGS, STRING METHODS, NUMBERS, WORKING WITH NUMBERS, TYPE CONVERSION, QUIZ.

3. CONTROL FLOW

COMPARISON OPERATORS, CONDITIONAL STATEMENTS, TERNARY OPERATOR, LOGICAL OPERATORS, SHORT-CIRCUIT EVALUATION, CHAINING COMPARISON OPERATORS, QUIZ, FOR LOOPS, FOR..ELSE, NESTED LOOPS, ITERABLES, WHILE LOOPS, INFINITE LOOPS, EXERCISE.

4. FUNCTIONS

DEFINING FUNCTIONS, ARGUMENTS, TYPES OF FUNCTIONS, KEYWORD ARGUMENTS, DEFAULT ARGUMENTS, XARGS, XXARGS, SCOPE, DEBUGGING, VSCODE CODING TRICKS - WINDOWS, VSCODE CODING TRICKS - MAC, EXERCISE, SOLUTION, START A QUICK NOTE.

5. DATA STRUCTURES

LISTS, ACCESSING ITEMS, LIST UNPACKING, LOOPING OVER LISTS, ADDING OR REMOVING ITEMS, FINDING ITEMS, SORTING LISTS, LAMBDA FUNCTIONS, MAP FUNCTION, FILTER FUNCTION, LIST COMPREHENSIONS, ZIP FUNCTION, STACKS, QUEUES, TUPLES, SWAPPING VARIABLES, ARRAYS, SETS, DICTIONARIES, DICTIONARY COMPREHENSIONS, GENERATOR EXPRESSIONS, UNPACKING OPERATOR, EXERCISE.

6. EXCEPTION

EXCEPTIONS, HANDLING EXCEPTIONS, HANDLING DIFFERENT EXCEPTIONS, CLEANING UP, THE WITH STATEMENT, RAISING EXCEPTIONS, COST OF RAISING EXCEPTIONS.

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BACKEND

7. CLASSES

CLASSES, CREATING CLASSES, CONSTRUCTORS, CLASS VS INSTANCE ATTRIBUTES, CLASS VS INSTANCE METHODS, MAGIC METHODS, COMPARING OBJECTS, PERFORMING ARITHMETIC OPERATIONS, MAKING CUSTOM CONTAINERS, PRIVATE MEMBERS, PROPERTIES, INHERITANCE, THE OBJECT CLASS, METHOD OVERRIDING, MULTI-LEVEL INHERITANCE, MULTIPLE INHERITANCE, A GOOD EXAMPLE OF INHERITANCE, ABSTRACT BASE CLASSES, POLYMORPHISM, DUCK TYPING, EXTENDING BUILT-IN TYPES, DATA CLASSES.

8. MODULES

CREATING MODULES, COMPILED PYTHON FILES, MODULE SEARCH PATH, PACKAGES, SUB-PACKAGES, INTRA-PACKAGE REFERENCES, THE DIR FUNCTION, EXECUTING MODULES AS SCRIPTS.

9. PYTHON STANDARD LIBRARIES

PYTHON STANDARD LIBRARY, WORKING WITH PATHS, WORKING WITH DIRECTORIES, WORKING WITH FILES, WORKING WITH ZIP FILES, WORKING WITH CSV FILES, WORKING WITH JSON FILES, WORKING WITH A SQLITE DATABASE, WORKING WITH TIMESTAMPS, WORKING WITH DATETIMES, WORKING WITH TIME DELTAS, GENERATING RANDOM VALUES, OPENING THE BROWSER, SENDING EMAILS, TEMPLATES, COMMAND-LINE ARGUMENTS, RUNNING EXTERNAL PROGRAMS.

10. PYTHON PACKAGE INDEX

START 1- PYPI, PIP, VIRTUAL ENVIRONMENTS, PIPENV, VIRTUAL ENVIRONMENTS IN VSCODE, PIPFILE, MANAGING DEPENDENCIES, PUBLISHING PACKAGES, DOCSTRINGS, PYDOC.

11. POPULAR PYTHON PACKAGE

INTRODUCTION, WHAT ARE APIS, YELP API, SEARCHING FOR BUSINESSES, HIDING API KEYS, SENDING TEXT MESSAGES, WEB SCRAPING, BROWSER AUTOMATION, WORKING WITH PDFS, WORKING WITH EXCEL SPREADSHEETS, COMMAND QUERY SEPARATION PRINCIPLE, NUMPY.

12. BUILDING WEB APPLICATIONS WITH DJANGO

INTRODUCTION, YOUR FIRST DJANGO PROJECT, YOUR FIRST APP, VIEWS, MODELS, MIGRATIONS, CHANGING THE MODELS, ADMIN, CUSTOMIZING THE ADMIN, DATABASE ABSTRACTION API, TEMPLATES, ADDING BOOTSTRAP, CUSTOMIZING THE LAYOUT, SHARING A TEMPLATE ACROSS MULTIPLE APPS, URL PARAMETERS, GETTING A SINGLE OBJECT, RAISING 404 ERRORS, REFERENCING URLS, CREATING APIS, ADDING THE HOMEPAGE, GETTING READY TO DEPLOY, DEPLOYMENT.

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BACKEND

13. PROJECTS

1. EMAIL AUTOMATION.
2. API INTEGRATION.
3. PROJECT 1 (OOPS).
4. PROJECT 2 (OOPS).
5. CRUD PROJECT DJANGO.
6. MAGAZINE MANAGEMENT PROJECT (DJANGO).
7. CRUD PROJECT DJANGO REST API.
8. ECOMMERCE APPLICATION (DJANGO).

FRONTEND

1. HTML 5

INTRODUCTION & HTML ELEMENTS, HTML ATTRIBUTES, HTML SEMANTICS ELEMENT, HTML STYLE, HTML FORMATTING, HTML BLOCK & INLINE, HTML CLASSES & ID, HTML TABLES & LIST, HTML I FRAMES, HTML FILE PATHS, HTML RESPONSIVE LAYOUT, HTML FORM ATTRIBUTE, HTML LAYOUT PROJECT.

2. CSS 3

CSS INTRO, SYNTAX & SELECTORS, BOX MODEL, WAYS TO WRITE CSS, COMMENTS, CSS UNITS, SPECIFICITY, !IMPORTANT, MATH FUNCTION, COLORS, BACKGROUNDS, BORDERS, MARGIN, PADDING, OUTLINE, HEIGHT, WIDTH, OPACITY, TEXT, FONTS, ICON, LINK, LISTS, TABLE, DISPLAY, POSITION, Z-INDEX, OVERFLOW, FLOAT, ALIGNS, COMBINATORS, PSEUDO-CLASS PSEUDO ELEMENT, ATTR SELECTOR, CSS NAVIGATION BAR PROJECT, CSS DROPDOWN PROJECT, CSS IMAGE GALLERY PROJECT, CSS FORMS, COUNTERS, CSS WEBSITE LAYOUT PROJECT, CSS GRADIENTS, SHADOW, TEXT EFFECTS. CSS 2D & 3D TRANSFORM, TRANSITION, ANIMATION, CSS MEDIA QUERIES

3. JAVA SCRIPT

JS INTRO, SYNTAX, OUTPUT & KEYWORDS, WAYS TO WRITE JS , COMMENTS, JS VARIABLES, LET, CONST, JS OPREATORS - ARITHMETIC - ASSIGMENTS - DATA TYPE, JS FUNCTIONS, JS OBJECTS, JS EVENTS, DATES, DATES FORMAT, JS STRING, STRING METHODS, STRING SEARCH, STRING TEMPLATES, DISPLAY, POSITION, Z-INDEX, OVERFLOW, JS NUMBER, NUMBER METHOD, JS ARRAY -> METHODS, SORT, ITERATION, CONST, JS MATH, RANDOM, BOOLEANS, JS COMPARISION, CONDITIONS, JS SWITCH, LOOP -> FOR ,FOR IN, FOR OF, WHILE, JS BREAK, ITERABLES, JS SETS, MAPS, TYPE OF, TYPE CONVERSION, JS BITWISE, ERRORS, JS JSON COMPLETE STATIC WEBSITE WITH DEPLOYMENT
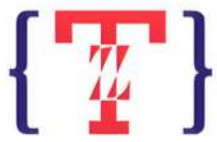
4. REACT JS

REACT INTRO, REACT RENDER HTML, REACT JSX, REACT COMPONENTS, REACT CLASS, REACT PROPS, REACT EVENTS, REACT CONDITIONALS, REACT LISTS, REACT FORMS, REACT ROUTER, REACT MEMO, REACT CSS STYLING, REACT HOOKS, WHAT IS HOOK? USESTATE, USEEFFECT, USECONTEXT, USEREF, USEREDUCER, USECALLBACK, USEMEMO CUSTOMHOOKS, BOOTSTRAP INCLUDED*

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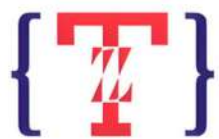Near Ewar Complex Landmark [The Universe]

5. Project

1. PROJECTS WILL BE RELATED TO ENTERTAINMENT CATEGORY OR E-COMMERCE CATEGORY

2. YOUTUBE, SPOTIFY AND FOOD ORDERING APPS

SQL

1. MY SQL

1. Getting Started
2. Retrieving Data From a Single Table
3. Retrieving Data From Multiple Tables
4. Inserting, Updating & Deleting Data
5. Summarizing Data
6. Writing Complex Query
7. Essential MySQL Functions
8. Views
9. Stored Procedures
10. Triggers & Events
11. Transactions & Concurrency
12. Data Types
13. Designing Databases
14. Indexing For High Performance Securing Database

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Practice space

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Projector room

Interview room

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ZEESHAN. M. MALIM
HEAD OF DEPARTMENT

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" Imagination is more important than knowledge. Knowledge is limited, whereas imagination embraces the entire world, stimulating progress, and giving birth to evolution. "