



Python Developer

- ✓ **Pay After Placement**
- ✓ **Free Demo Session**
- ✓ **Higher Package**
- ✓ **Industry Expert Trainer**

SYLLABUS :

HTML

JavaScript

CSS

Django



Social Media

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www.arboracademy.in





About Us

At **Arbor Academy**, we are committed to shaping successful IT careers through specialized training, personalized mentorship, and end-to-end placement support. As a leading placement solution provider, we focus on equipping candidates with in-demand technical skills and real-world readiness to secure their dream roles in the IT industry. Our unique approach combines expert guidance, tailored career plans, and strong industry connections to deliver results that matter. Whether you're a fresher or a professional seeking growth, we provide holistic, career-focused solutions that align with your goals. Join us to take the next confident step in your IT career journey.

200+
Total Mentor's

50+
Courses

1500+
Placed Student's

2000+
Learning
Student's

100+
Employees



Courses Highlights



**Online &
Classroom Mode**



**100% JOB CALLS
ASSISTANCE**



Live Projects



**Professional
Certificates**



MOCK INTERVIEW



**MULTIPLE CAREER
OPPORTUNITIES**

Services We Provide



Pay After Placement



Train From Industry
Expert Trainers



ATS Friendly CV
Building



Free Demo Sessions



Mock Interviews



Naukri Profile Making

Achieve Placement in Top MNC Companies



Google

intel

Capgemini

intellect

TCS
TATA CONSULTANCY SERVICES

HEXWARE

Meta

accenture

databricks

Adobe

newgen

Tech
Mahindra

salesforce

HUAWEI

Infosys

Mindtree

KPMG

L&T Infotech

Mphasis
The Next Applied

ramco

Persistent

Microsoft

FUJITSU

IBM

wipro

HCLTech

Deloitte

cognizant

Apple

ORACLE

**CONFUSED WHAT TO
DO IN CAREER..?**



1

**CHOOSE
ARBOR ACADEMY**

2



**CAREER COUNSELING
WITH EXPERTS**

3



4

**ONLINE/CLASSROOM
EXPERT TRAINING**



WHAT WILL YOU GET

- PAY AFTER PLACEMENT MODEL
- HANDS-ON PROJECTS
- 100% PLACEMENT GUARANTEE
- REAL-TIME PRACTICE
- SOFTSKILL SESSIONS

5



6

**CHARTING NEW PATHS:
CAMPUS DRIVE**



**SECURE
YOUR SPOT IN
LEADING
MNCS**

7



Syllabus

1. Introduction to Python

- Overview of Python
- history and Features
- Installation and Setup
- Basic Syntax
- Writing and Executing Python Programs
- Basic Data Types (Numbers, Strings, Lists, Tuples, Dictionaries, Sets)
- Variables and Constants
- Control Structures
- Conditional Statements (if, elif, else)
- Loops (for, while) Overview of Python

2. Data Structures

- Lists and Tuples
- Operations and Methods
- Dictionaries and Sets
- Operations and Methods
- Comprehensions
- List, Dictionary, and Set Comprehensions

3. Functions and Modules

- Functions
- Defining Functions
- Function Arguments (default, keyword, variable-length)
- Lambda Functions
- Modules and Packages
- Importing Modules
- Creating and Using Packages
- Standard Library Modules

4. File Handling

- Reading and Writing Files
- Text and Binary Files
- File Methods
- `open()`, `read()`, `write()`, `close()`

5. Object-Oriented Programming

- Classes and Objects
- Defining Classes
- Creating Objects
- Class Attributes and Methods
- Instance Methods, Class Methods, Static Methods
- Inheritance and Polymorphism
- Single and Multiple Inheritance
- Method Overriding

6. Exception Handling

- Errors and Exceptions
- Handling Exceptions with try-except
- Raising Exceptions
- Custom Exceptions

7. Object-Oriented Programming

- Classes and Objects
- Defining Classes
- Creating Objects
- Class Attributes and Methods
- Instance Methods, Class Methods, Static Methods
- Inheritance and Polymorphism
- Single and Multiple Inheritance
- Method Overriding

8. Advanced Topics

- Decorators
- Function and Class Decorators
- Generators and Iterators
- Creating and Using Generators
- Iterator Protocol
- Context Managers
- Using with Statement

9. Libraries and Frameworks

- NumPy
- Pandas
- Matplotlib

HTML

Introduction to HTML

- What is HTML & how websites work
- Role of HTML, CSS, JS in web development
- HTML syntax: elements, tags, attributes
- Structure of a basic HTML document
- `</html>` , `<head>` , `<title>`, `<body>`
- Creating your first web page

6. Semantic HTML5 Tags

- Importance of semantic HTML
- Structural elements:
 - `<header>`, `<nav>`, `<main>`, `<article>`, `<section>`, `<aside>`, `<footer>`
- Inline semantics: `<time>`, `<figure>`, `<figcaption>`, `<mark>`
- Accessibility and SEO benefits

2. Text Formatting Tags

- Headings (`<h1>`–`<h6>`)
- Paragraphs (`<p>`)
- Bold, Italic, Underline (`<b>`, `<i>`, `<u>`)
- Superscript & Subscript (`<sup>`, `<sub>`)
- Line break (`<br>`), Horizontal line (`<hr>`)
- Quotation tags: `<blockquote>`, `<q>`
- Abbreviation (`<abbr>`), Mark (`<mark>`)

3. Lists and Links

- Ordered list `<ol>`, Unordered list `<ul>`, Definition list `<dl>`
- Nested lists
- Hyperlinks: `<a>` tag, href, target, title
- Internal vs. External links
- Anchor within the same page (id, `#link`)

4. Table

- Table structure: `<table>`, `<tr>`, `<td>`, `<th>`
- Table headers, captions, and borders
- Table attributes: colspan, rowspan, align, width
- Semantic elements: `<thead>`, `<tbody>`, `<tfoot>`

5. Forms and User Input

- `<form>` element: action, method (GET, POST)
- Input types: text, password, email, number, date, checkbox, radio, file, color, range
- `<textarea>` for multi-line input
- `<select>`, `<option>`, `<optgroup>` (dropdown menus)
- `<button>` and input buttons (submit/reset)
- `<label>` for accessibility
- `<fieldset>` and `<legend>` for grouping
- HTML5 validation attributes: required, min, max, pattern, placeholder

CSS

1. Introduction to CSS

- What is CSS? Why do we use it?
- Ways to apply CSS:
 - Inline CSS
 - Internal CSS (<style> tag)
 - External CSS (.css file + <link> tag)
- CSS Syntax: selector, property, value
- CSS Comments
- Understanding Cascading order & Priority (Inline > Internal > External)

Display and Positioning

- display property: block, inline, inline-block, none
- Visibility vs display difference
- Positioning: static, relative, absolute, fixed, sticky
- z-index and stacking order

2. CSS Selectors

- Basic selectors: element, id (#id), class (.class)
- Grouping and Universal selector (*)
- Descendant, Child, Adjacent, Sibling selectors
- Attribute selectors (input[type="text"])
- Pseudo-classes (:hover, :focus, :first-child, :nth-child)
- Pseudo-elements (::before, ::after, ::first-line)

3. Colors and Backgrounds

- Color formats: name, RGB, RGBA, HEX, HSL
- Background properties:
 - background-color
 - background-image
 - background-repeat, background-position, background-size
 - background-attachment (scroll vs fixed)

4. Text and Fonts

- Font family, size, weight, style
- Text alignment, decoration, transformation
- Line height, letter spacing, word spacing
- Using Google Fonts
- Text shadows and gradient text

5. Box Model

- Content, Padding, Border, Margin
- Width & Height properties
- box-sizing property
- Border styles, rounded corners (border-radius)
- Outline vs Border difference

JavaScript

1. Introduction to JavaScript

- JavaScript in web development
- History and evolution of JavaScript

2. Use of JavaScript

- JavaScript in interaction and behavior of websites
- Integrating JavaScript with HTML and CSS

3. Variables

- Declaring variables using var, let, and const

4. Data Types

- Primitive types (String, Number, Boolean, Null, Undefined)
- Non-primitive types (Objects, Arrays, Functions)

5. JS Conditions

- Using if, else, switch, and conditional operators

6. Loops

- Using for, while, and do-while loops
- Loop control with break and continue

7. Functions

- Defining and calling functions
- Function parameters and return values

Django

1. Django Basics

- Creating a new app
- App structure and files
- Registering apps in settings.py
- URL Routing
- Configuring URLs in urls.py
- Including app URLs
- Views
- Function-based views
- Class-based views
- Rendering templates
- Creating Django Apps

5. Account and Authentication

- User Authentication
- Built-in authentication system
- Login and logout views
- User registration

6. Django Admin Interface

- Setting Up Django Admin
- Enabling the admin site
- Registering models with the admin
- Customizing the Admin Interface

2. Templates and Static Files

- Django Template Language (DTL)
- Creating and extending templates
- Template tags and filters
- Including static files (CSS, JavaScript)
- Static Files and Media Files
- Configuring static files
- Serving media files during development

3. Models and Databases

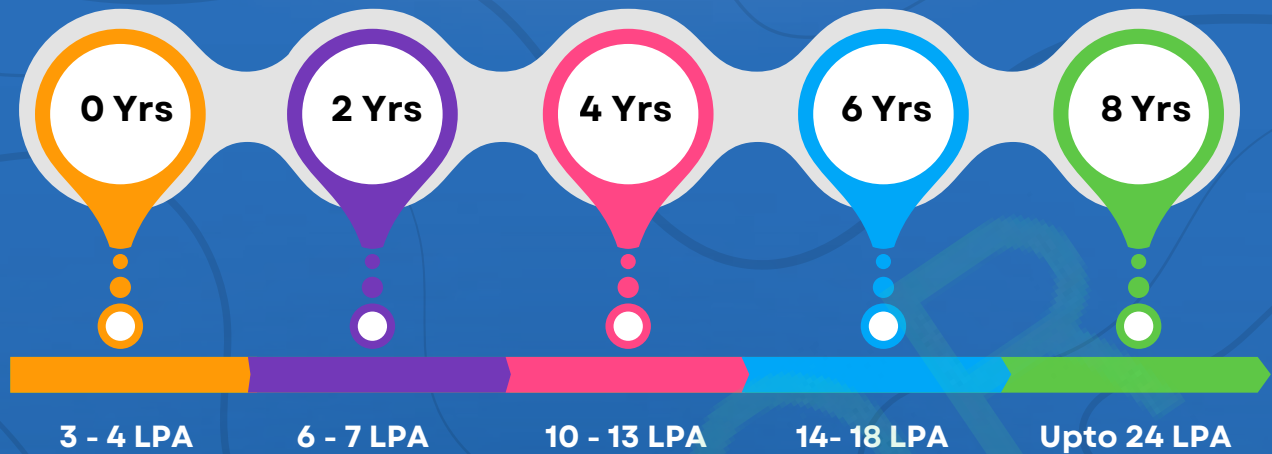
- Defining Models
- Creating models in models.py
- Model fields and options
- Database Migrations
- Creating and applying migrations
- Django ORM
- Querying the database
- Filtering and ordering results
- Creating, updating, and deleting record

4. Forms and User Input

- Django Forms
- Creating forms with forms.py
- Handling form submissions
- Validating form data
- Model Forms
- Creating forms from models
- Using built-in form fields and widgets

YOUR FUTURE AS A PYTHON DEVELOPER

SALARY RANGE



DESIGNATIONS

Software Developer
(Python)

Backend Developer
(Python)

Full Stack Python
Developer

Python Engineer

Senior Python Developer

Lead Python Engineer

Principal Python
Developer

Python Architect

Web Application
Developer

Technical Lead (Python)

Django Developer

Automation Engineer

WHY CHOOSE ARBOR ACADEMY

EMI

Flexible EMI Plans



Industry Experienced Trainers



Live Projects With Hands-on Experience



Real World Topics



Flexible Scheduling



Online, Classroom & Hybrid Batches



1:1 Mentorship when required



Affordable Programs Tailored to Your Needs



Class Recordings for Missed Classes



Workshops & Seminars with Industry Experts



Adaptive LMS



Free Wifi Facilities



Be Different With Master Certificate



Placement Drives



Interview Calls Assistance & Mock Sessions



Weekday and Weekend Batches



Ongoing Career Support



Latest Market Tech & Practical Training



1 Year FREE Repeat Option



Unlimited Interview Calls

TESTIMONIALS OF STUDENTS



Abhishek S.

★★★★★ a month ago

A great institute for skill development and job placement. The training is industry-focused, and the support from the faculty is excellent. Highly recommended for those looking to start or advance their careers.



Vishakha K.

★★★★★ a month ago

After joining **Arbor Academy**, I realized how important mentorship is. The team not only taught us skills but also helped us gain confidence. Placement calls started just after 2 months. I am now happily working and paid my fee only after that!



Asmita

★★★★★ 5 months ago

The online lectures at Arbor Academy are well-organized, and the teachers make learning feel personalized even though it's virtual. I appreciate the variety of tools they use, like interactive quizzes and group projects. I would love to see more live discussions, but other than that, it's a great experience.



Vivek N.

★★★★★ 5 months ago

I can confidently say I had a fantastic experience with Arbor Academy. The staff was incredibly supportive and helped me secure a job in my field. They guide you every step of the way, from training to securing a placement, and even offer assistance afterward.

GET INFO OF OUR OTHER DOMAINS

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LOCATE US:



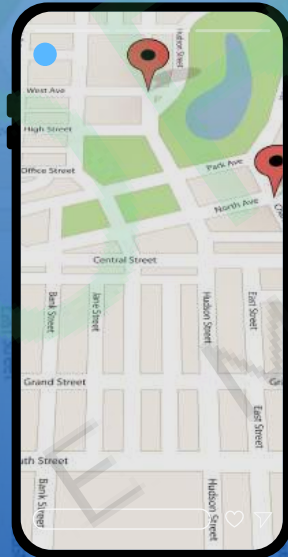
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