# Full Stack Development using Django

In this course, We will teach you the latest technologies for building great web applications with Python 3 and Django! But we don't just teach that, we also teach the Front End technologies you need to know, including HTML, CSS, and Javascript. This course can be your one-stop shop for everything you need! It will serve as a useful reference for many of your questions as you begin your journey to becoming a web developer!

## Syllabus

- Fundamental Programming Concepts
- Basic Python Syntax
- Loops, Functions
- Conditional statements
- Basic Python Data Structures
- Introduction to Object-Oriented Programming
- Classes
- Methods
- Inheritance
- Abstract Classes
- Python Packages and Modules
- Importing Your Own Code
- Installing Packages using PIP
- Introduction to Front-end development

- Html
- CSS
- Java script
- Bootstrap
- Introduction to Back-End Web Development using Django
- HTTP protocol
- MVC model
- Django structure
- Generic Views
- HTML templates
- URL dispatch
- Custom Views

- GET and POST methods
- URL shortener
- Logic in templates
- Querying model
- Deployment of Django
- Generic Views in Django Rest
- Serializers
- JSON

- Building RESTful APIs
- Filtering Models
- Working with Images
- Authentication with tokens
- Automating tasks with Django
- Using API endpoints
- Deployment of Django REST project
- Capstone Project

## What you will learn

- Basic understanding of HTML, CSS & Python
- How to Build a Django website from start to finish
- User Registration and Authentication
- Hosting a website on a live server
- Building out a REST API
- Build a review and voting system
- Search & Pagination
- Designing databases with Django
- How to send emails with Django

## SKILLS GAIN