



# AI Tool development using Python Django

**Duration: 35 hours**

## Course Overview

This introductory course aims to provide students with the foundational knowledge and skills to develop a personalized chatbot using Django and integrate it with an LLM. Through a combination of theoretical lessons and hands-on projects, students will learn how to create a web-based chatbot application that can interact with users in a personalized manner using natural language processing capabilities provided by LLMs.

## Course Modules and Syllabus

- **Module 1 : Introduction to Django and the LLM**  
Overview of Django framework  
Introduction to natural language processing and the LLM  
Setting up development environment
- **Module 2 : Building a Simple Django Web Application**  
Creating a new Django project  
Understanding Django apps and models  
Implementing basic views and templates
- **Module 3 : Integrating the LLM into Django**  
Introduction to OpenAI API and the LLM  
Setting up OpenAI API access  
Integrating the LLM into Django views



- **Module 4 : Implementing User Authentication and Profiles**  
Adding user authentication to the Django application  
Creating user profiles  
Customizing user experiences based on profiles
- **Module 5 : Enhancing Chatbot Interactions**  
Implementing personalized responses using user data  
Handling user inputs and maintaining conversation context  
Adding conversational features such as greetings and small talk
- **Module 6 : Deployment**  
Configuring deployment settings for Django application  
Deploying the chatbot application to a web server  
Final project: Enhancing the chatbot with additional features and customization

## Contact Us

ipsr solutions limited

Merchant's Association Building

M.L. Road, Kottayam - 686001

Kerala, India

Phone: +91 481-2301085

Mobile: +91 9447294635 | +91 94471 69776

Email: [training@ipsrsolutions.com](mailto:training@ipsrsolutions.com)

Website: <https://www.ipsr.org/>

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