COURSE SYLLABUS

Python for AI: Create AI Apps with Flask & OpenAI

Build and deploy an AI application with Python, Flask, and OpenAI. Apply AI concepts through practical coding exercises and a project.

> Group classes (NYC) and onsite training are available for this course. For more information, email corporate@nobledesktop.com or visit: https://training-nyc.com/courses/ai-python



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Course Outline

Introduction to Flask

- Overview of Flask and its use cases
- Setting up a Flask project
- Creating and running your first Flask app

Building the Web Application

- Designing the HTML structure and creating templates
- Styling the app with CSS
- Creating Flask routes for handling requests and rendering templates

Integrating the OpenAI API

- Setting up the OpenAI API and acquiring an API key
- Making API calls to perform sentiment analysis
- Parsing and displaying the API's results in your web app

Handling User Input

- Building forms in HTML to capture user input
- Processing form submissions in Flask
- Displaying dynamic content based on user input

Error Handling & Debugging

- Implementing error handling to catch and manage potential issues
- Debugging common errors and understanding Flask's error messages

Deploying & Testing

- Running the Flask app locally and testing its functionality
- Reviewing the complete workflow of submitting a comment and receiving sentiment analysis results