

Welcome to ineuron.ai



FastAPI

**Description:**

FastAPI is a modern, high-performance, web framework for building APIs with Python. This course is specifically developed for beginners! This implies that irrespective of your background, you will be able to master one of the most popular frameworks on the market. All you need is a basic understanding of Python.

**Start Date:**

**Doubt Clear Time:**

**Course Time:**

**Features:**

- # Completion Certificate
- # Quiz in every module
- # Real-time Implementations

**What we learn:**

# Introduction to API

# Getting Started with FastAPI

# Features of FastAPI

# Python Type Hints

### **Requirements:**

# System with Internet Connection

# Interest to learn

# Dedication

### **Instructor:**

#### **Name:**

Monal Kumar

#### **Description:**

Monal Kumar is a data scientist and instructor working at iNeuron having 2+ years of total experience in both service and product-based organisations. He is specialised in Deep Learning, Computer vision and Image processing. Previously, he held positions as a support configurator at Wipro Technologies and as a Deep Learning researcher at Harptec Research. Offering the finest possible services to his clients. In addition to his primary job function, he is recognised for his creativity and ideas that change the nature of the existing problem.

#### **>Course Introduction:**

- >>Welcome to FastAPI course
- >>Course pre-requisites
- >>Who is this course for
- >>What you will get from this course
- >>What is API
- >>Why API is used
- >>Different ways to create API
- >>Advantage of API
- >>How to get access to course materials
- >>What career path you can follow after completion

## **>Getting Started with FastAPI:**

- >>What is FastAPI
- >>Installing Python
- >>Installing FastAPI
- >>Your first 'hello world' program using default GET
- >>GET and PUT
- >>What is JSON format
- >>JSON response
- >>Practical GET and PUT
- >>Interactive API docs
- >>Alternative API docs
- >>What is uvicorn
- >>Features of using FastAPI

## **>Python Hint Types:**

>>Python Type hints introduction

>>Why they are important

>>Using hint types in function

>>Specifying function return type

## **>FastAPI:**

>>import FastAPI

>>Creating FastAPI Instance

>>URL

>>HTTP methods

>>What is decorator

>>Defining a decorator

>>Defining path operation function

>>Path parameter

>>Path parameter with types

>>Working with python enumeration

>>Query parameters

>>Multiple path and query parameters

>>Request Body

>>Query Parameters and String Validations

>>Form data

>>Request files

>>Practical Demo Request forms and files

>>Handling errors

>**Summary:**

>>Course Outro