

# PYTHON FULLSTACK

Learn from industry experts and grow into a confident, industry-ready professional.

On-the-job Training

One-on-One Mentoring

100% Placement Assistance

Near Infopark

# Voleergo Academy – Powered By **Voleergo Solutions LLP**

Our career-oriented curriculum combines internships, mock interviews, soft skills development, and recognized IT certifications, equipping every learner with the skills and confidence needed to excel in top IT companies in Kochi, Kerala.

## Why Choose Voleergo

Short-Term & Long-Term Training (2–6 Months)

Online & Offline Learning Modes

Gen AI–Integrated Curriculum

Direct Support from Our Developers

One-to-One Mentoring with Industry Experts

Lifetime Placement Assistance

Live Project Exposure

Live Online & Regular Offline Classes

Placement Training



**VOLEERGO**  
ACADEMY LLP

# IT Training & Internship Programs

Full Stack Development

Data Analytics

Software Testing

UI/UX Designing

AI & Data Science

# Course Outline



## FRONT END DEVELOPMENT (React & Next.js)

01 React Core Concepts & Architecture

02 Introduction to Next.js

03 File-Based Routing in Next.js

04 Data Fetching in Next.js

05 Pages and Layouts

06 Styling in Next.js

07 Static Assets & Image Optimization

08 SEO and Metadata

09 Authentication & Authorization

10 State Management

11 Performance Optimization

12 Deployment & Hosting

13 Monitoring & Debugging

14 Project Development & Collaboration

## BACK END DEVELOPMENT (Python Django)

01 Python Setup & First Script

02 Variables & Data Types

03 Data Structures – List & Tuple

04 Data Structures – Dictionary & Set

05 String Operations & Formatting

06 Operators & Expressions

07 Conditional Statements

08 Loops – for and while

09 Functions & Scope

10 Error Handling

11 File Handling in Python

12 OOP – Classes & Objects

13 OOP – Inheritance & Encapsulation

14 Python project 1

15 Virtual Environments & pip

16 Django Introduction & Setup

17 Views, URLs & Templates (MVT)

18 Django Models & Migrations

19 Django Admin & Model Operations

20 Django Forms – GET, POST, Validation

21 Static Files & Media Handling

22 User Authentication in Django

23 Middleware & Sessions in Django

24 Intro to Django REST Framework (DRF)

25 API CRUD Operations with DRF

26 DRF Authentication & Permissions

27 Final Project Dev

## Database (SQL Server)

01 Introduction to Databases

02 SQL Basics & Database

**03** Working with Queries (DQL)

**04** SQL Control Statements

**05** Functions in SQL

**06** Subqueries and Nested Queries

**07** Working with Joins

**08** Views

**09** Stored Procedures

**10** Triggers

**11** Cursors

**12** Indexing and Optimization

**13** Backup and Restore

**14** Advanced SQL Features

**15** AI SQL Tools



# Tools & Technologies

Python

Django / Flask

HTML, CSS, JavaScript

MySQL / PostgreSQL

Git & GitHub

# Certifications That Build Your Future





# Career Opportunities

**Python Full Stack Developer**

**Backend Developer**

**Web Application Developer**

**Software Engineer**

**API Developer**

# Join Our Team




**Voleergo Academy LLP**

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