Syllabus:

AI Integrated Python Fullstack Development

Tech School

Month 1: Introduction to Python Programming

Week 1:
- Basics of Python
- Data Structures and Algorithms

Week 2:
- OOP Concepts in Python
- Python Libraries and Frameworks

Week 3:
- AI in Python Development
- Introduction to Machine Learning

Week 4:
- Practical Project: Basic Python Application

Month 2: Web Development with Python

Week 1:
• HTML, CSS, JavaScript Basics
• Setting Up a Web Server

Week 2:
• Python Frameworks (Django, Flask)
• Building Web Applications

Week 3:
• AI Integration in Web Applications
• Introduction to Natural Language Processing

Week 4:
• Practical Project: Web Application with AI Integration

Month 3: Database Management and Frontend Development

Week 1:
• SQL and NoSQL Databases
• Database Design and Implementation

Week 2:
• ORM (Object-Relational Mapping)
• Advanced HTML, CSS

Week 3:
• JavaScript and Frameworks (React, Angular)
• Building Interactive User Interfaces

Week 4:
• Practical Project: Fullstack Application

Month 4: Fullstack Project and Freelancing Skills

Week 1:
• Integrating Frontend and Backend
• Deployment and Hosting

Week 2:
• Version Control with Git
• Collaborative Development

Week 3:
• Building a Personal Brand
• Creating an Online Portfolio

Week 4:
• Finding Freelance Opportunities
• Managing Clients and Projects
• Practical Project: Fullstack Application Deployment

Months 5 & 6: Practical Internship and Portfolio Building

Weeks 1-4:
• Internship Placement in Industry Projects
• Real-World Fullstack Development

Weeks 5-8:
• Continued Internship with Project Feedback
• Advanced Development and Optimization

Weeks 9-12:
• Finalizing and Deploying Applications
• Comprehensive Portfolio Development
• Presentation Skills and Client Management
• Final Review and Freelancing Strategy

THANK YOU

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നന്ദി

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