

INDIA | UAE | CANADA | AUSTRALIA | MALAYSIA | HONG KONG | EUROPE REGION | OMAN

COUNTRYEDU PRIVATE LIMITED

GSTIN : 06AAJCC6151A1Z3 | CIN : U72900HR2021PTC096283

Email : query@countryedu.com, grievances@countryedu.com

1-Month Python Full Stack Development Immersion Internship

Designed by: CountryEdu Private Limited

By CountryEdu Private Limited

(IT Managed Services & EdTech Solutions)

Program Objective :

- Understanding full-stack web application development using Python and modern web technologies
- Developing expertise in frontend development, backend development, database management, and API integration
- Learning Python programming, web frameworks, and dynamic application development
- Building scalable and secure web applications using industry-standard tools and frameworks
- Understanding deployment workflows, authentication systems, and software development best practices
- Preparing students for careers in Python Full Stack Development, Web Development, and Software Engineering

Program Structure :

- Duration: 4 Weeks (1 Month)
- Mode: Hybrid / Live / Classroom
- Tools Used: Python, Django, Flask, HTML5, CSS3, JavaScript, MySQL, SQLite, GitHub, VS Code
- Final Outcome: Full Stack Web Application Project + Internship Certificate

Week 1: PYTHON & WEB DEVELOPMENT FUNDAMENTALS

- Introduction to Full Stack Development
- Python Programming Fundamentals
- Variables, Data Types & Operators
- Functions, Loops & Conditional Statements
- HTML5 & CSS3 Basics
- Development Environment Setup

~ Outcome: Strong foundation in Python programming and modern web development concepts.

Week 2: FRONTEND DEVELOPMENT & DATABASE MANAGEMENT

- Responsive Web Design Principles
- JavaScript Fundamentals
- Forms & User Input Handling
- Database Fundamentals
- MySQL & SQLite Introduction
- CRUD Operations & Database Connectivity

~ Outcome: Ability to create interactive user interfaces and manage application data efficiently.

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Week 3: BACKEND DEVELOPMENT & API INTEGRATION

- Introduction to Django & Flask
- URL Routing & Request Handling
- Templates & Dynamic Content Rendering
- REST API Fundamentals
- API Development & Testing
- Frontend-Backend Integration

~ Outcome: Ability to develop dynamic backend applications and integrate APIs with frontend systems.

Week 4: AUTHENTICATION, DEPLOYMENT & PROJECT DEVELOPMENT

- User Authentication & Authorization
- Session Management Concepts
- Web Application Security Basics
- Git & GitHub Version Control
- Cloud Deployment Fundamentals
- Industry Best Practices & Project Presentation

~ Outcome: Ability to build, secure, and deploy complete Python full stack applications using professional development workflows.

LIVE PROJECT & CAREER READINESS

Students work on real-world Python Full Stack Development projects such as:

- E-Commerce Web Application
- Student Management System
- Employee Management Portal
- Online Learning Platform
- Hospital Management System
- Customer Relationship Management (CRM) Platform

Project Includes:

- Requirement Analysis & Planning
- Frontend Development
- Backend Development using Python
- Database Integration
- Authentication & Security Implementation
- Testing, Deployment & Final Presentation

~ Outcome: Hands-on experience in developing and deploying industry-level Python full stack applications using modern web technologies and frameworks.

From beginner to job-ready – Become a Python Full Stack Development Professional in 1 Month.