

COUNTRYEDU PRIVATE LIMITED

GSTIN : 06AAJCC6151A1Z3 | CIN : U72900HR2021PTC096283

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

2-Months Web Development Immersion Internship

Designed by: CountryEdu Private Limited

By CountryEdu Private Limited

(IT Managed Services & EdTech Solutions)

Program Objective :

- Understanding end-to-end web development concepts, technologies, and development workflows
- Developing expertise in frontend development, backend development, database management, and web application deployment
- Learning modern web technologies, responsive design, API integration, and authentication systems
- Building dynamic, scalable, and user-friendly web applications using industry-standard tools and frameworks
- Understanding software development lifecycle, version control, testing, and deployment methodologies
- Preparing students for careers in Web Development, Full Stack Development, Software Engineering, and Web Application Development

Program Structure :

- Duration: 8 Weeks (2 Months)
- Mode: Hybrid / Live / Classroom
- Tools Used: HTML5, CSS3, JavaScript, Bootstrap, Node.js, Express.js, MySQL, MongoDB, GitHub, VS Code
- Final Outcome: Complete Web Application Project + Internship Certificate

MONTH 1 – WEB DEVELOPMENT FOUNDATION

Week 1: Introduction to Web Development & Internet Fundamentals

- Introduction to Web Development Ecosystem
- Frontend vs Backend Development
- Website Architecture & Components
- Client-Server Communication
- Development Environment Setup

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

Week 2: Frontend Development with HTML, CSS & JavaScript

- HTML5 Fundamentals & Semantic Elements
- CSS3 Styling & Layout Techniques
- Responsive Web Design Principles
- JavaScript Fundamentals
- User Interaction & DOM Manipulation

~ Outcome: Ability to create responsive and interactive web pages using frontend technologies.

COUNTRYEDU PRIVATE LIMITED

GSTIN : 06AAJCC6151A1Z3 | CIN : U72900HR2021PTC096283

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

Week 3: Backend Development Fundamentals

- Introduction to Server-Side Programming
- Node.js Fundamentals
- Express.js Framework
- Routing & Middleware Concepts
- Request & Response Handling

~ Outcome: Ability to develop server-side applications and manage web requests efficiently.

Week 4: Database Management & Data Handling

- Database Fundamentals
- MySQL & MongoDB Introduction
- CRUD Operations
- Database Connectivity
- Data Modeling & Relationships

~ Outcome: Ability to design and manage databases for web applications.

MONTH 2 – ADVANCED WEB DEVELOPMENT

Week 5: API Development & Frontend-Backend Integration

- REST API Fundamentals
- API Development & Testing
- JSON Data Exchange
- Frontend-Backend Communication
- Third-Party API Integration

~ Outcome: Ability to connect frontend applications with backend services and external systems.

Week 6: Authentication & Security

- User Registration & Login Systems
- Authentication & Authorization
- Session Management
- Password Encryption Techniques
- Web Security Best Practices
- ~ Outcome: Ability to implement secure user authentication and protect web applications.

Week 7: Advanced Web Development Features

- File Upload & Media Management
- Form Validation Techniques
- Performance Optimization
- Error Handling & Debugging
- Application Scalability Concepts

~ Outcome: Ability to develop feature-rich and optimized web applications.

COUNTRYEDU PRIVATE LIMITED

GSTIN : 06AAJCC6151A1Z3 | CIN : U72900HR2021PTC096283

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

Week 8: Deployment & Professional Workflow

- Git & GitHub Version Control
- Project Documentation Standards
- Website Hosting & Deployment
- Cloud Deployment Fundamentals
- Industry Best Practices

~ Outcome: Ability to deploy and manage production-ready web applications following industry standards.

LIVE PROJECT & CAREER READINESS

Major Project Development

Students work on real-world Web Development projects such as:

- E-Commerce Website
- Student Management System
- Online Learning Platform
- Employee Management Portal
- Business Portfolio Website
- Customer Relationship Management (CRM) System

Project Includes:

- Requirement Analysis & Planning
- Frontend & Backend Development
- Database Design & Integration
- API Development & Security Implementation
- Testing & Deployment
- Final Project Presentation

~ Outcome: Fully functional industry-level web application demonstrating frontend development, backend development, database integration, authentication, and deployment capabilities.

From beginner to job-ready — Become a Web Development Professional in 2 Months.