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# COUNTRYEDU PRIVATE LIMITED

GSTIN : 06AAJCC6151A1Z3 | CIN : U72900HR2021PTC096283

Email : [query@countryedu.com](mailto:query@countryedu.com), [grievances@countryedu.com](mailto:grievances@countryedu.com)

## 3-Month Full Stack Web Development Immersion Internship

Designed by: CountryEdu Private Limited

### By CountryEdu Private Limited

(IT Managed Services & EdTech Solutions)

#### Program Objective :

To transform students into job-ready Full Stack Web Developers capable of:

- Build a strong foundation in full stack web development
- Develop problem-solving skills for both frontend and backend systems
- Provide hands-on experience in building complete web applications
- Prepare students for real-world tools, workflows, and deployment practices
- Make students job and internship ready for full stack developer roles

#### Program Structure :

- Duration: 12 Weeks (3 Months)
- Mode: Hybrid / Live / Classroom
- Tools Used: Visual Studio Code, Git, GitHub, Google Chrome, Node.js, Express.js
- Learning Model: Project-Based Learning
- Final Outcome: Fully Functional Full Stack Web Application + Internship Certificate

## MONTH 1 –FULL STACK WEB DEVELOPMENT & PROGRAMMING FOUNDATION

### Week 1: Programming Fundamentals

- Introduction to HTML ,CSS and Javascript
- OOP concepts (Classes, Objects, Inheritance)
- Functions & Collections
- Exception Handling
- Clean coding practices

~ Outcome: Strong foundation in full stack web development programming

### Week 2: Full Stack Web Development Basics

- Full Stack Web architecture & lifecycle
- Activities & Fragments
- UI design using XML
- Intents & Navigation
- Material Design principles

~ Outcome: Ability to create multi-screen Full Stack Websites

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## Week 3 : UI/UX & Layout Mastery

- ConstraintLayout & RecyclerView
- Custom UI components
- Dark mode & responsive design
- Handling user inputs & validation

~ Outcome: Build professional-looking Full Stack Websites

## Week 4 : Data Handling & Local Storage

- Shared Preferences
- SQLite & Room Database
- Working with JSON data
- Background tasks & threading basics

~ Outcome: Full Stack Websites that store and manage user data effectively

## MONTH 2 – ADVANCED FULL STACK DEVELOPMENT & INTEGRATION

## Week 5: API Integration & Networking

- REST API fundamentals
- Retrofit library
- Handling API responses
- Error handling & loading states

~ Outcome: Build Full Stack Website that connect to live servers

## Week 6 : Firebase & Authentication

- Firebase setup
- User Authentication (Email/OTP/Google)
- Firestore database
- Push Notifications

~ Outcome: Secure, real-time Full Stack Website with cloud backend

## Week 7 : Architecture & Best Practices

- Full Stack Web architecture
- ViewModel & LiveData
- Dependency Injection basics
- Clean architecture principles

~ Outcome: Industry-level structured coding practices

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## Week 8 : Performance & Testing

- Debugging tools
- Full Stack Websites performance optimization
- Unit testing basics
- Security best practices

~ Outcome: Production-ready Full Stack Websites

## MONTH 3 – LIVE PROJECT & CAREER READINESS

### Week 9–10: Major Project Development

Students build a real-world Backend websites such as:

- E-commerce Full Stack Website
- EdTech Learning Full Stack Website
- Appointment Booking Full Stack Website
- Task Management Full Stack Website
- Business CRM Full Stack Website

Project Includes:

- Requirement analysis
- UI wireframing
- Testing & deployment readiness

~ Outcome: Fully functional Full Stack Websites

### Week 11 : Full Stack Website Deployment & Monetization

- Full Stack Web signing & APK generation
- Publishing Full Stack Websites
- Full Stack Websites monetization
- ASO basics

~ Outcome: Full Stack Websites published on GitHub , Vercel , Hostinger.



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## Week 12: Interview & Professional Preparation

- Full Stack Websites technical interview prep
- Resume & GitHub portfolio optimization
- Mock interviews
- Freelancing & startup roadmap

~ Outcome: Placement & freelance-ready developer

## Key Skills Developed

- Full stack development (frontend + backend)
- API development and integration
- Database design and management
- Authentication and security implementation
- Version control and collaboration using Git and GitHub

## Target Roles After Completion

- Full Stack Developer
- Web Developer
- Software Engineer
- Backend Developer
- Frontend Developer

## Why This Program is Industry-Ready

100% project-based

Cloud integration & authentication

Architecture-focused coding

Hands-on experience with industry tools and workflows

Real-world product development mindset

**From zero to Play Store – Become a Professional Full Stack Web Developer in 3 Months.**