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2023

Full Stack Development Course

WEB APP & HYBRID MOBILE APP
Development with Introduction to AI

This comprehensive Full Stack Development course covers all aspects of building end-to-end applications. You'll delve into both front-end and back-end development, creating a Content Management System (CMS like Institute Management System, Library Management System). You'll explore various application types, including Mobile Apps and Web Apps sharing a common backend. Languages, frameworks, and libraries form the foundation: PHP, JavaScript ES10, HTML, CSS, XML, SASS, JSX, Python, React JS, React Native, and Laravel.

To join Full stack Course : [click here](#)

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தமிழில் முழுமையான விளக்கம் மற்றும் செய்முறையுடன்.

FULL STACK DEVELOPMENT

WEB & MOBILE APPLICATION

LARAVEL | REACTJS | REACT NATIVE | PYTHON

LARAVEL REACT JS PYTHON

AI POWERED

BUILDING TOMORROW'S APPLICATIONS TODAY

REACT JS REACT NATIVE LARAVEL MYSQL

Job Oriented TRAINING COURSE SOFTWARE ENGINEER | WEB DEVELOPER

For More Information **074 389 389 9** Feel Free to Contact us
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COURSE DESCRIPTION

This comprehensive Full Stack Development course with introduction to AI (Machine Learning) takes you on a journey encompassing the entire application development spectrum. You'll dive deeply into both front-end and back-end development, honing your skills by crafting a versatile Content Management System (CMS). This system caters to diverse needs like Institute Management System, Event Management System, and Transport Management System.

The course explores diverse application types, including Mobile Apps and Web Apps, all connected through a shared backend infrastructure. Your foundation will be built upon key languages, frameworks, and libraries like PHP, JavaScript ES10, HTML, CSS, XML, SASS, JSX, **React JS, React Native, and Laravel.**

Course Contents

Topic Number	Topic	Description
01	Full Stack Development Overview	- End-to-end software development covering front-end and back-end aspects. - Include individual Front-end & Back-end development and integration.
02	Application Development.	- Create a Content Management System (CMS). - Example: - Institute Management System. - Event management System. - Transport management System. - Account Management System.
03	Application Types	- Develop Mobile App (React Native) - Web App (React JS) - Common Laravel backend.
04	Core Languages	- PHP, - JavaScript ES10, - HTML, - CSS, - XML, - SASS, - JSX.
05	Libraries and Frame works	- React JS – For WEB Application - Laravel – For Common Back-end - React Native – For Mobile Application
06	Database Management.	MySQL or preferred DBMS for data management. (MySQL, MariaDB, PostgreSQL, SQLite, SQL Server).

07	Front-End Components	• UI elements, • Reusable Components, • Redux stores, • Routes, • HTTP clients.
08	Back-End Development	• Logic, APIs, • Web architectures, • Servers, • Integrations (SMS, payments).
09	Version Control	• GIT and Bitbucket for version and project management.
10	Debugging and Testing	• Methods for debugging, tools for testing back-end and front-end.
11	Third-Party Tools and APIs	• Use of cloud tools, • APIs, • Real-time engines (messaging, geo-tracking).
12	Server Setup and Deployment	• Configure local servers during development, • Deploy on real servers for testing and production.
13	Package Management	• Publish and use packages with Yarn and Npm.
14	System Security	• Implement authentication / authorization for system security. • Two Factor Authentication. • Token Bases system. • Securing API.
15	Framework and Library Understanding	• Learn about Laravel, React JS, React Native and optimize their use.
16	Learn about Laravel, React JS, React Native and optimize their use.	• Code cleanup, • Peer assistance, • Guidance for further career development.

17	Machine Learning Basics.	• AI (Artificial Intelligence) vs ML (Machine Learning) vs DL (Deep Learning). • Different Types of Machine Learning(Supervised Learning , Unsupervised Learning , Reinforcement Learning)
18	Python Basics for Machine Learning.	• Introduction to Python (Variables, data types, Conditional statements (if, else), Loops (for, while))
19	Development of Machine Learning Models	• Implementation of Models with Sample Data

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The course explores diverse application types, including Mobile Apps and Web Apps, all connected through a shared backend infrastructure. Your foundation will be built upon key languages, frameworks, and libraries like PHP, JavaScript ES10, HTML, CSS, XML, SASS, JSX, **React JS, React Native, and Laravel.**

In the backend domain, you'll create intricate logic, APIs, and robust web architectures, while handling servers and integrating elements like SMS and payment gateways. On the front-end, you'll design intuitive UI components, establish reusable views, manage temporary data storage, define routing strategies, and handle HTTP clients.

Practicality is emphasized as you work with version control tools like GIT and Bitbucket, master debugging techniques, and employ essential testing tools. The curriculum also delves into third-party cloud tools, APIs, engines, and real-time systems, enhancing your application-building prowess.

From setting up local development servers to deploying on live platforms, you'll experience the full development lifecycle. Managing packages through tools like Yarn and Npm, as well as implementing robust authentication and authorization mechanisms, are crucial elements.

You'll gain in-depth insights into optimizing frameworks and libraries such as Laravel, React JS, and React Native, elevating your applications' performance and user experience.

The course culminates in meticulous code refinement, encourages collaboration within the developer community, and provides guidance on advancing your skills for a successful career in Full Stack Development.



தமிழில் FULL STACK DEVELOPMENT WEB & MOBILE APPLICATION

LARAVEL | REACTJS | REACT NATIVE | PYTHON



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SEPARATE FRONT END AND BACK END | **BOTH MOBILE APP, WEB APP**
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- Web Application - **ReactJS**
- Mobile Application (Hybrid - Android / IOS) - **React Native**
- Common Backend - **Laravel**
- Artificial interligent model - using **Python Libraries**

FRAMEWORKS & LIBRARIES

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COURSE TOPICS (For More Details Check the Course Brochure)

- Installation and Configuration
- Setup and Editor
- Front-End Development
- Navigation and Routing
- JSON and serialization
- Testing and Debugging
- Version Control (GIT)
- Development of AI Model
- Gateways (SMS, Payment)
- Mail Server setup
- Back-End Development
- Real Time Engines
- Package Management
- Server Setup & Deployment
- Introduction to Artificial Intelligent

PHP , JAVA SCRIPT ES10 , HTML , CSS , XML , JSX
AJAX, JQUERY, BOOTSTRAP, PYTHON

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FOR EACH STUDENT**

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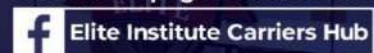


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