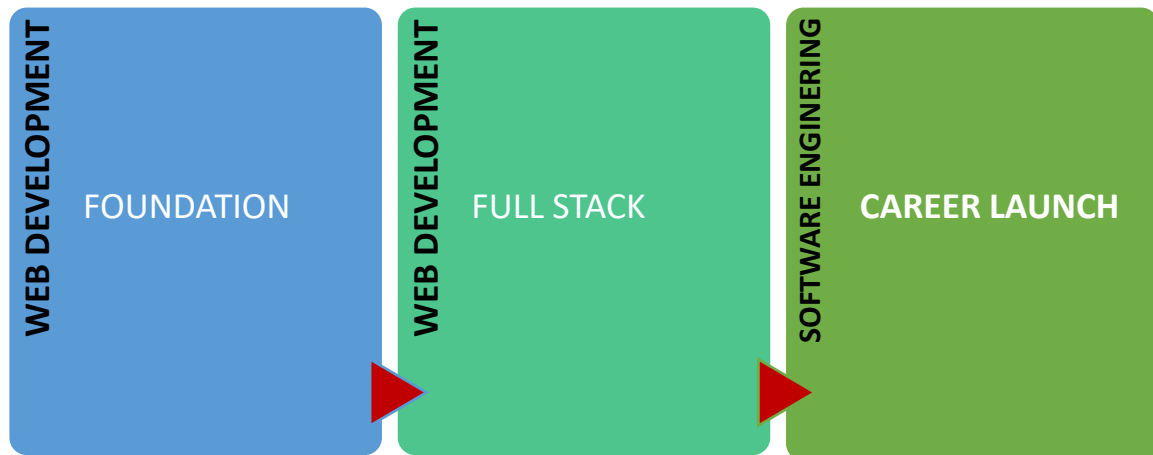




WEB DEVELOPMENT – FULL STACK

“Developing Job Ready Developers”



Let's become a creator of technology to build a financially rewarding career.

No matter who you are, what you do or where you work, your life is being shaped by changing technology. We can't stop this, but we can adapt our future to make the most of it.

That's where we come in, to make information technology both a knowledge, skill and an exciting experience for ANYONE.

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හඳුන්වාදෙන Instructor Led, Live-Online, Affordable “Web Development – Full Stack” පුහුණුව, සැලසුම් කර ඇත්තේ මෘදුකාංග නිර්මාණකරණය හරහා සාර්ථක වෙන්න ආශා කරන ඕනෑම කෙනෙකුට, ආරම්භක මට්ටමේ සිට අවශ්‍යවන වෙබ් නිර්මාණකරණයේ විවිධ කුසලතා සහ දැනුමෙන් ඔවුන් සන්නද්ධ කිරීම සඳහා ය.

මෙම පුහුණුවේ විශේෂත්වය

- ඕනෑම අංශයක රැකියාවක් කරන අතරතුර ඉගෙනීමට හැකිවීම.
- ඕනෑම අංශයක උපාධියක්, පාඨමාලාවක් කරන අතරතුර ඉගෙනීමට හැකිවීම.
- දැරියහැකි මුදලකට ඉගෙනීමට හැකිවීම.
- ඉහළ ඉල්ලුමක් තියෙන වෙබ් නිර්මාණකරණයේ හැකියාවන් වර්ධනය කරගැනීමට හැකිවීම.
- ඔබේ පුහුණුකරු ඔබේ කුසලතා වේගයෙන් ගොඩනඟා ගැනීමට සහ ඔබේ වෘත්තීය වර්ධනය ඉදිරියට ගෙන යාමට උපකාර කරයි.
- සෑම සිසුවෙකුටම පවුල්ගලික අවධානය.

ආවරණය වන කොටස්

1. Introduction
2. **Client-Side** Programming (Front - End)
3. **Server-Side** Programming (Back - End)
4. Final project

Lecture Sessions

- Course duration: 16 weeks (4 months)
- Session duration: 2 hours
- 2 Sessions per week
- Total lecture hours: 54 hours
- Practical Project hours: 20 hours

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වැඩි විස්තර: 0742833337 | www.plustechacademy.com

Modules

1. INTRODUCTION TO FULLSTACK

- What is the full stack
- How application software works
- Introduction to requests and responses
- Introduction to **MERN** Stack

2. CLIENT SIDE PROGRAMING (Front – End Development)

2.1. Introduction to front – end developing

- What is a web browser
- What is the **DOM**
- What is a Front-end Framework / Library

2.2. React JS as a front-end library

- Introduction and benefits of react
- Set up programming environment
- React folder architecture
- Components and rendering
- About JSX
- Destructuring data structures
- React CSS styling (**inline CSS, CSS Stylesheet**)
- Import and export components
- Parent and child components
- React Events (**onClick, onChange, onBlur..** etc.)
- React Hooks (**useState, useEffect, useRef..** etc.)
- React **Lifecycle** methods
- React Form Handling
- Data passing between Parent and Child (**using Props**)
- Component Rendering with conditions
- React Lists (**Mapping Arrays**)
- React Routing (**react-router-dom**)
- Making re-usable components and usages.
- JavaScript Object Notation (**JSON**)
- React Promises
- Synchronous and asynchronous
- http request types (**get, post, put, delete**)
- Sending http requests to the server (**fetch/ Axios**)

3. SERVER SIDE PROGRAMING (BACK- END DEVELOPMENT)

3.1. Introduction to Back – end developing

- What is a web server
- What is a back-end program
- What is an **API**
- Usage of **rest API** s
- What is a Database
- What is a web framework (eg:- **Express JS**)

3.2. Building an HTTP server with Node JS and Express JS

- Basic programming concepts in Node JS
- Setup programming environment
- Make a simple server
- Make a REST API .
- Call to the API from a Front-End


3.3. Mongo DB as a database

- Data structure of Mongo DB
- Create a database in Mongo DB
- Manually inserting data in to the created database
- Handling **CRUD** data using 'Mongo DB Shell' (**mongosh**)

3.4. Create a complete server using Node JS, Express JS, and Mongo DB

- Handling Front-End requests
- Processing **request.body** data
- Interaction with Mongo DB
- Create data models
- Making **requests** to the Mongo DB and get **responses**.
- Processing the responses.
- Sending **processed responses** to the Front-End and fetching data

4. FINAL PROJECT PROJECT

- Developing a Front-end (React JS)
 - Developing a Back-end (Node JS)
 - Building a web framework (Express JS)
 - Database Management (MongoDB)
- 
- MERN Stack**

NOTE: You will receive a detailed schedule with dates and times once you register for the training.

All the best for a financially rewarding future!

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FAQ: Frequently Asked Questions

1. Does your education system help beginners? Definitely! We understand learning minds, whether they are young children or experienced adults - and have designed our knowledge sharing approach to suit every need.

2. How will learners' benefit? Each of our students will receive training to sharpen their skills to prepare for the most demanding jobs. Whether you are 6 or 60 years of age, you can join us with no necessary previous experience or qualifications.

- Shortest path for a financially rewarding Career in Tech.
- Empower through continuous coaching even after the completion of the training.
- Affordable, fast track courses to be employment ready.
- Industry focused dynamic curriculum.
- Spot talented students and give an opportunity so they can work wonders.

3. Are you a degree-awarding institution? We do not award any degrees or diplomas. We value hands-on technical competency, world-class skills and professional attitudes over certificates.

We want our students serve with excellence, in both skill and character.

4. Do you arrange job placements? While we like to help out, our priority is providing learners the opportunities to enhance their capabilities through training and showcase their abilities.

5. Will you support me to start my own business? Yes. In case you don't want to stay in the workforce any longer, we will guide you to build an entrepreneurial path related to the IT industry.

6. Are all your trainings free? No. Some of the trainings are "Pay As You Go" and have payment options that suit your needs. We also do our best to ensure students with financial difficulties are given maximum available concessions/support (so don't make money a limitation!).

7. Do you provide mentoring and guidance? Of course! At the heart of our academic empowerment model is continuous mentorship.

8. How do I join a class/training? You can register through our website – WWW.PLUSTECHACADEMY.COM. If you need help choosing a course, our mentors are happy to help on (mobile/WhatsApp) 0742833337.

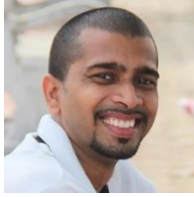
9. Do you have training programmes for adults and senior citizens? Of course, we do, at your own schedule too! Call us on 0742833337 and our consultants guide you to success.

10. What kind of equipment does my child/I need, when learning?

All that's needed is a computer (laptop, desktop), web camera and microphone (built-in or external) and any kind of internet connection.

Developing digital skills will create opportunities for our students to reskill into better careers for roles that employers need now and in the future. **Got more questions? 0742833337**

Founder's Message: Let us help everyone fall in love with Computer Science.



Shaveen Fernando

Profile: <https://www.linkedin.com/in/shaveenfernando/>

I believe that everyone in this world has the right to live a life of dignity, prosperity & peace.

I started my software engineering career in 2003 and lead teams at leading travel technology solution companies providing solutions for the global hospitality industry. Currently I'm engaged in growing – Can Academy (Pvt) Ltd, +Tech Academy and SALT (Social Alliance for Love & Trust) having the aim of helping anyone springboard towards skills and excellence.

Business is more than making profits and building empires. I strongly believe that profit generation should not be the one and only goal for a business, but it is also important to make a lasting positive impact on people and society in general.

SDG Contribution: [Sustainable Development Goals](#)

