METAVERSITY
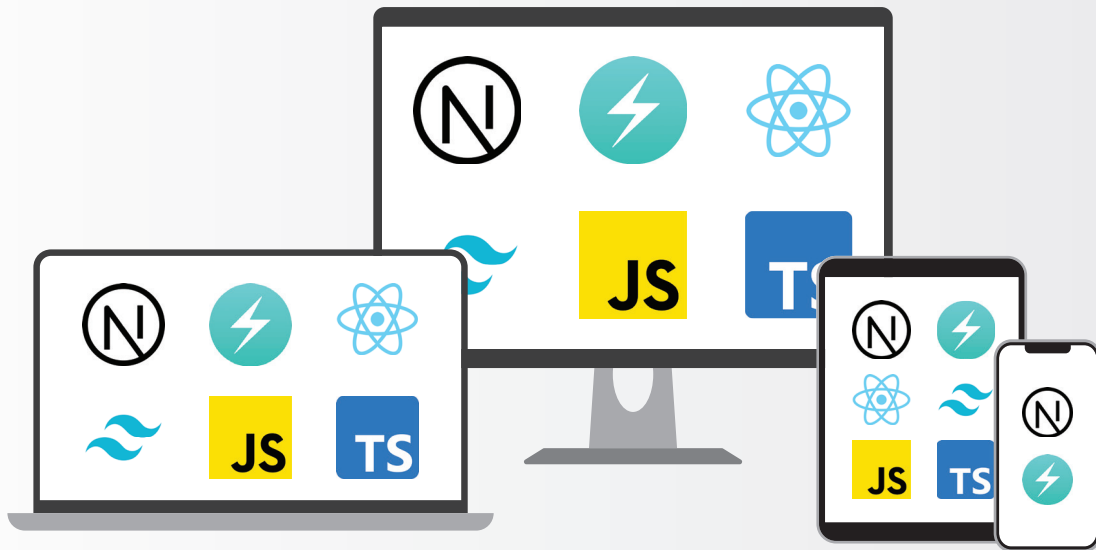

**Metaversity Certified
Modern Frontend Developer**

INTRODUCTION

This program is for anyone who wants to learn how to build and deploy modern frontend applications. There are absolutely no prerequisites for eligibility to enroll in this program because students will start from the basics.

Graduates from the Metaversity Certified Modern Frontend Developers will be able to develop rich & modern user interfaces that are compatible with modern full stack applications. These apps are highly scalable, lightning fast, and extremely search engine friendly. Students will be able to build static business landing pages, dynamic web applications, customized frontend applications for existing backend solutions such as shopify store fronts, and so on.

With the rise of API first companies, front end application developers are now able to subscribe to specialized APIs

TECHNOLOGIES INCLUDED

Version Control	▪ Git
	▪ GitHub Workflows
Web Core Technologies	▪ HTML
	▪ CSS
	▪ JavaScript
Object Oriented Libraries	▪ TypeScript
	▪ React.js
	▪ ChakraUI
Frameworks	▪ Next.js
	▪ Tailwind CSS

ABOUT METAVERSITY

Metavercity's Center for Applied Technology is the world's premier institution for technology education and advancement featuring the most cutting edge training programs to students anywhere in the world.
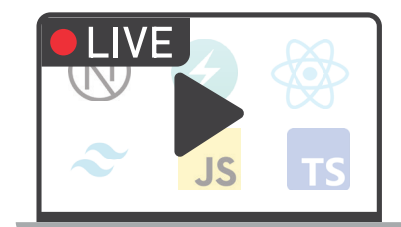
Metaversity is dedicated to distinction in developing and grooming leaders in the Web 3.0 and Metaverse revolution. Our extensive, hands-on training programs are designed to produce graduates of the highest caliber in their fields of study.

OUR CORE VALUES

- Respect
- Equality
- Integrity
- Dedication to Excellence
- Mentorship
- Accountability
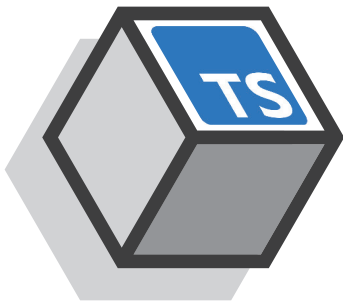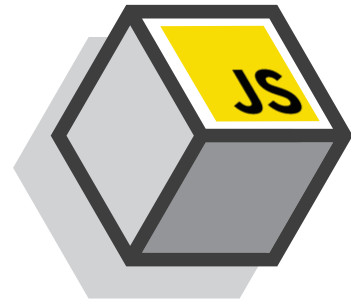- Stewardship

FACILITIES PROVIDED

- Live classes
- Expert instructors
- Class recordings
- Placement services
- 24/7 Support

CONTEXT

JavaScript as the Universal Language

JavaScript was developed by Netscape as a client side programming language. At the time, it was not meant for server-side development. Over time, and with the introduction of node.js, JavaScript became both a client and server-side language. Now, JavaScript is supported in the complete application stack. It's used in the development of user interfaces, APIs, server-side functions, and even databases. It's the one universal language you can learn and apply anywhere.
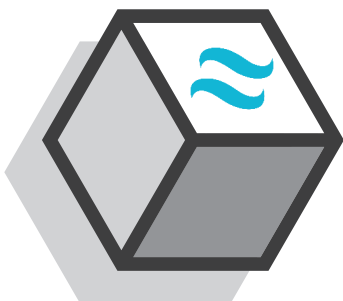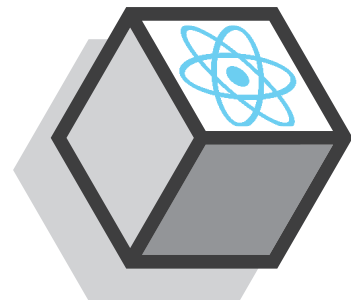
Class based Object Oriented with TypeScript

The biggest weakness of JavaScript is that it's not a class based object oriented programming language. This is one of the main reasons why it's not commonly used in enterprise applications. TypeScript allows us to do class based object oriented programming and transpile our code into JavaScript.

React.js for Dynamic, Single Page Web Apps

The Facebook React library allows us to easily create dynamic web applications with reusable components, state management, and react hooks. React is a JavaScript library so it is fully compatible with TypeScript. In addition to web apps, React Native also gives us the ability to create mobile apps.
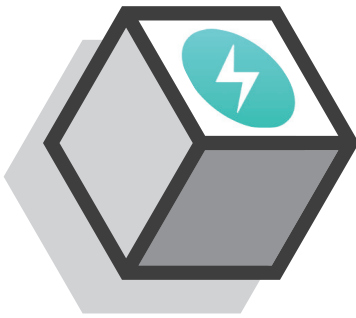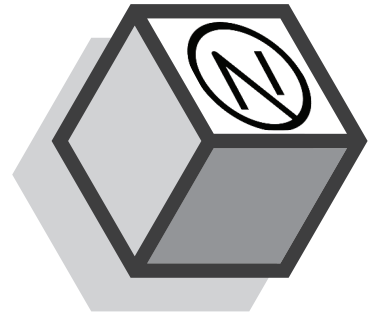
Tailwind CSS with Utility Classes for Reusable Components

Tailwind is an open source CSS framework that helps developers save time with its fast CSS styling process to style web applications with a built-in design system, inline styling, and ease of responsive styling.

Next.js for Hybrid Rendering

Next is a React Framework designed to solve many of the challenges that arise when creating React applications. Products that were not able to use React because of its low SEO score are now able to use the Next.js framework to achieve amazing SEO scores. Next.js improves performance of web apps by using static, server, and hybrid rendering techniques. With Next's static rendering capability, developers can build lightning fast static websites that behave as if they're dynamic.
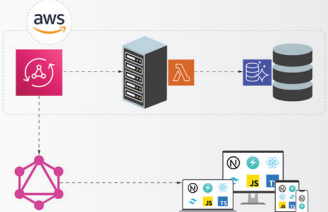
Chakra UI for Responsive & Accessible Components

Chakra UI is a component library built on top of Tailwind. It helps developers to create highly customizable themes and use them to create reusable components with style props and built-in hooks. The biggest advantage of Chakra UI is the ease of responsive development. It also comes with a built-in dark and light mode to create really cool effects.

CHECK OUT OUR OTHER PROGRAMS

Metaversity Certified
Modern Full Stack Developer
www.metaversityusa.com

Metaversity Certified
Modern Full Stack Developer

For more Details visit
www.metaversityusa.com/full_stack

The demand for modern full stack developers is booming. In this program, you'll learn how to build lightning fast dynamic web applications with serverless APIs and databases.

Metaversity Certified
Web 3.0 Modern Full Stack Developer

For more Details visit
www.metaversityusa.com/web_3.0

The demand for Web 3.0 developers is booming. In this program, you'll learn how to build lightning fast dynamic web applications with serverless APIs and databases. Then, you'll use Solidity to build decentralized apps on the Ethereum blockchain.

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