



# AI-POWERED WEB MASTERY:

## Elevating Next.js & TypeScript Capstone Project with React Brilliance Course

**SCHEDULE**

**Apr. 7th, 2025**

**10 WEEKS**

*Don't miss the chance to elevate your career—enroll now and lead the future of web development!*

*This non-credit online Clarusway partnership with the Division of Continuing Studies at the University of Wisconsin–Madison is designed to train students for careers using AI-Powered tools.*

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## ABOUT THIS PROGRAM

**Master AI-driven web development with Next.js, TypeScript, and React in this comprehensive 10-week course.**

Gain hands-on experience and build real-life projects while acquiring the skills needed for today's tech-driven job market.

## WHO SHOULD ATTEND?

Web developers seeking to advance their skills through real-life capstone projects, including Next.js, TypeScript, React, and AI-enhanced web development.

This course is also ideal for developers familiar with Vue.js and Angular who want to expand their skill set to meet broader job requirements.

Basic knowledge of HTML, CSS, JavaScript, Bootstrap, and SASS is recommended.

# LEARNING OBJECTIVES

- ✓ Create a real-life innovative capstone project integrating Next.js, TypeScript, React, and AI technologies.
- ✓ Harness the power of AI tools to support and enhance Next.js and TypeScript projects.
- ✓ Build dynamic web applications with React.
- ✓ Understand the usage of modern CSS libraries such as Material UI and Tailwind CSS.
- ✓ Gain proficiency in state management with Redux.
- ✓ Implement authentication using serverless tools such as Firebase Authentication.



# PROGRAM BENEFITS

## ✓ **Real-Life Capstone Project:**

Create a capstone project integrating Next.js, TypeScript, React, and AI technologies, mirroring real-world challenges and preparing you with the skills required in today's job market.

## ✓ **AI-Powered Web Development:**

Master AI tools to enhance and elevate your web development projects. This course integrates AI technologies in two key ways: first, by leveraging AI to streamline and optimize the web development process, and second, by incorporating AI-driven features, like speech recognition, into your final products. This approach ensures you're equipped with cutting-edge skills for today's tech-driven job market.

## ✓ **Dynamic Web Applications:**

Build dynamic web applications with React and utilize modern CSS libraries like Material UI and Tailwind CSS.

## ✓ **Comprehensive Learning:**

Master a wide range of topics, from React basics to advanced Next.js and TypeScript, including state management with Redux and authentication with Firebase and NextAuth

## ✓ **Expert Guidance:**

Receive expert guidance from industry professionals to advance your skills in AI-driven web development.



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# PROGRAM CURRICULUM

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**Duration: 10 weeks**

## Module 1

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### Introduction to React

- React Introduction
- Components, JSX, Props, and Basic Styling
- Styling Techniques – Module CSS, SASS, Bootstrap

## Module 2

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### Core React Concepts

- useState Hook
- Handling Forms
- Mouse and Keyboard Events
- Lifecycle Methods and useEffect Hook
- useEffect with Axios Examples

## Module 3

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### Advances React

- React Router
- Context API and Reducer
- Material-UI Integration
- Tailwind CSS Integration
- Firebase Authentication

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# PROGRAM CURRICULUM

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## Module 4

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### Redux in React

- Redux Introduction
- Redux Toolkit

## Module 5

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### TypeScript with React

- TypeScript Basics
- React TypeScript Project

## Module 6

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### Next.js Framework

- Next.js Introduction: Styling, Router, Dynamic Routes
- Next.js Advanced: Server Side and Client Side Rendering

## Module 7

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### Real Life Capstone Project with Next.js + React + TypeScript

- **User Authentication & Management:** Secure login and user management features.
- **Shopping Cart & Payment Processing:** Integrated shopping cart with seamless payment options.
- **AI-Powered Speech Recognition:** AI features for voice command capabilities.
- **Responsive Design & API:** Tailwind CSS for responsive design and a Next.js API for backend functionality.

# PRICING PLAN

PRICE	UPFRONT (Discounted)	INSTALLMENT PLAN
<b>\$5,950</b>	<b>\$5,350</b>	<b>\$1,983</b> /mo. 3 Months

# AI-POWERED WEB MASTERY CLASS SCHEDULE

Day	Time (CT)	Class
<b>Monday</b>	6:00 p.m. to 9:00 p.m.	Live Class (Online)
<b>Tuesday</b>	6:00 p.m. to 9:00 p.m.	Live Class (Online)
<b>Wednesday</b>	-	-
<b>Thursday</b>	6:00 p.m. to 9:00 p.m.	Live Class (Online)
<b>Friday</b>	6:00 p.m. to 9:00 p.m.	Teamwork/Workshop
<b>Saturday</b>	-	-
<b>Sunday</b>	-	-



# APPLICATION PROCESS



## STEP-1

### Let's get started to give your career a boost!

Review our schedule and pricing on page 8 so you know what to expect. Have a question? Schedule a time to talk to an academic advisor [HERE](#).



## STEP-2

### Submit Application

Let's get started!

Join our program by [submitting your application](#) and choosing a start date. General application will take approximately 3-4 minute and does not contain a technical assessment. This is followed by a 30-min interview with a member of our admissions team.



## STEP-3

### Tuition & Financing

An Admissions Advisor will help you find the best solution for your budget. Don't worry, we offer a variety of plans to suit almost anyone.



## STEP-4

### Final Step - it's go time!

Once you're accepted, you will receive an Enrollment Agreement. An Admissions Advisor will create your Learning Management System (LMS) log-in and Slack account. We will assist you in getting started so you're ready to go!

# CERTIFICATE OF COMPLETION



Division of Continuing Studies at the  
University of Wisconsin–Madison and Clarusway

*certify that*

# Sally Johnson

*has successfully completed the online program*

AI-Powered Web Mastery - Web Development



*\*The image is for illustrative purposes only. The actual certificate is subject to change at the discretion of the Division of Continuing Studies at the University of Wisconsin–Madison*



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**APPLY NOW**



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