ARKANSAS CODING ACADEMY

APPLIED FULL-STACK WEB DEVELOPMENT

Are you ready to become a modern, end-to-end web developer?

PROGRAM OVERVIEW

Transform your skill set and launch a new career in tech. **Applied Full-Stack Web Development** is an intensive 6-month program designed for absolute beginners with zero prior programming experience. Focusing on the high-demand **MEAN Stack (MongoDB, Express.js, Angular, and Node.js)**, this curriculum seamlessly blends computer science fundamentals with modern AI-driven coding workflows. Core training is delivered entirely in a virtual format, transitioning into a dynamic hybrid landscape for portfolio development and recruitment preparation to perfectly bridge online learning with real-world tech environments.

WHAT YOU WILL LEARN

Core & Back-End Foundations: Write clean code in HTML5, CSS3, JavaScript (ES6+), and TypeScript. Architect server-side logic using Node.js and Express.js.

Data & API Architecture: Implement scalable NoSQL database solutions with MongoDB. Build and consume secure, professional RESTful APIs utilizing JSON.

Dynamic UI Engineering: Develop responsive, interactive single-page applications (SPAs) with the modern Angular framework.

AI & Professional Workflows: Leverage automated Git version control, handle dependencies with NPM, and integrate AI-driven assistants to accelerate debugging and logic optimization.

THE ROADMAP

Weeks 1–16: Core Technical Training
Progress from programming logic basics through Express APIs, MongoDB schemas, TypeScript, and Angular integration—delivered fully online.

Weeks 17–20: Capstone Project Phase
An intensive, mentored sprint dedicated entirely to building, debugging, and polishing a full-stack CRUD application for deployment.

Weeks 21–24: Career Transitions & Demo Day
A hybrid immersion phase to re-engineer your technical resume, optimize profiles, conduct mock interviews, and pitch at Demo Day.

WHY CHOOSE THIS PROGRAM?

Career Ready: Build technical confidence through hands-on web development, graduating with a live Capstone project, a professional GitHub portfolio, and modern AI coding skills.

Graduates may qualify for high-growth, entry-level tech roles including:

- Full-Stack Developer | Application Developer
- Front-End Developer | Back-End Developer
- Web Developer | Junior Software Developer

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