

Adithya Venkatesh

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EDUCATION

Master of Science in Computer Science

University of Texas at Arlington · Arlington, TX · Jan 2022–Dec 2023 · 3.62

Bachelor of Technology: Information Technology

St. Joseph's College of Engineering, Anna University · Chennai, India · Aug 2014– May 2018 · 3.5

EXPERIENCE

Software Developer

Uworld

December 2023 – Present, Coppell, Texas

- Revamped legacy ASP.NET components into an Angular-based system, leveraging NPM for dependency management and TypeScript for type-safe development, boosting user experience and increasing system performance and scalability by 20%.
- Architected a course-building component integrating video media, lectures, and lessons, simplifying course creation for 90% of the internal team and reducing assembly time by 30% for course delivery.
- Elevated content consistency and delivery timelines by 30%, reducing post-release updates by 20% and supporting efficient, scalable course launches across the organization.
- Spearheaded the development of an HTML editor module, now used by over 80% of the team, increasing content formatting accuracy by 25%.

Software Developer Intern

Uworld

September 2023 – December 2023, TX

- Integrated and customized third-party applications like Aspose and CKEditor, boosting content management efficiency by 25%.
- Built and unified components for converting Word and PDF documents to HTML, increasing system efficiency by 15% with enhanced content accessibility and presentation using ASP.NET.

Software Engineer

Ford Motor Company

February 2019 – December 2021, Chennai, India

- Designed and implemented a modular dealer page with reusable components, enabling real-time data retrieval and reporting, improving data access efficiency by 95%.
- Automated the VIN update workflow for vehicles with expired or renewed warranties, seamlessly integrating it into the warranty management system and enhancing data accuracy by 40%.
- Created a dynamic reporting component to generate and export custom warranty reports, reducing manual data consolidation efforts by 30%.
- Integrated lazy-loading for individual components to enhance application scalability, improving overall loading performance by 20%.
- Built flexible and reusable React components to standardize the app's UI, accelerating development and ensuring a consistent design across the application.
- Ensured development best practices by implementing unit and integration tests, while producing comprehensive documentation to support scalable and maintainable systems.

Full Stack Developer

Infosys Limited

July 2018 – January 2019, Chennai, India

- Created and deployed reusable front-end features, translating designs into maintainable code optimized for cross-device compatibility.
- Strengthened application security and improved performance by 32% with JWT-based authentication and codebase enhancements, leading to faster user experiences.
- Designed scalable database architectures and caching strategies, boosting query efficiency by 40% and reducing server load in high-traffic scenarios.
- Enhanced application responsiveness by 30% using React-Redux, resulting in smoother user interactions and faster data handling.

SKILLS

Front End: HTML, CSS, JavaScript, TypeScript, React.js, Angular.js, Asp.Net, Tailwind, Material Design, Bootstrap

Back End : Node.js, PHP, .NET, Flask(Python), JAVA,C#

Database: MySQL, SQL Server, MongoDB

Industrial Skills : Agile, SDLC,JIRA, Project Management, GitHub, Git, CI/CD pipelines, Linux CLI

Programing Language: C, C#, C++, Python, Java

ACADEMIC PROJECTS

Apartment Complex Website

Course : Web Data Management · January 2023 – May 2023

- Contributed in creating Database Schema and wireframe using Figma, Devised prototype using HTML, CSS and JavaScript which In turn maximized the project development by 60%.
- Utilized Socket.IO for bidirectional communication between the server and clients, enabling real-time messaging capabilities and reducing message delivery latency.
- Technology used: React, Flask(Python), MySQL, NodeJS.

FFT(React Native Application)

Course: Advance Software Engineering · September 2022 – December 2022

- Instituted a cross-platform React Native application enabling group creation and event sharing, leading to a 40% increase in user engagement.
- Deployed a Google Firebase backend for real-time database and cloud storage, achieving a 50% improvement in data retrieval and synchronization speed.
- Established secure JWT-based connections between frontend and backend, reducing unauthorized access incidents by 60%.