Adithya Venkatesh

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https://adithyavenkatesh.github.io/portfolio/

EDUCATION

Master of Science in Computer Science
Minor in Database • University of Texas at Arlington • Arlington, TX • 2022-Present • 3.62

Bachelor of Technology: Information Technology
St. Joseph's College of Engineering, Anna University • Chennai,India • 2014-2018 • 3.5

EXPERIENCE

Software Engineer
Ford Motor Company **February 2019 - December 2021, Chennai,India**

·Implemented Redux as a state management solution, leading to a significant 25% decrease in code complexity and a notable 15% boost in team productivity.
· Leveraged GraphQL for seamless back-end communication, improving data handling efficiency by 20% and system performance by 15%.
· Improved loading speed and performance by 20% through the implementation of route lazy-loading and modularization of code into reusable components.
· Designed and developed a microservices architecture using Node.js and Nest.js framework, resulting in Reformed scalability and modularity by 30%.
· Increased test coverage by 20% by implementing comprehensive unit tests using Jest, Jasmine and Mocha.
· Restructured dealer page with new components and functionality for retrieving instant data and report in-turn saving time by 95%, Built a RESTful API using Node.js to provide a secure connection between front-end and backend services.

Full Stack Developer
Infosys Limited **July 2018 - January 2019, Chennai,India**

· Create front-end features, components, and libraries by turning designs and wireframes into high-quality, reusable code and optimized for maximum performance on a range of web-capable devices and browsers.
· Implemented user authentication and authorization features using JSON Web Token and improved the performance of the web application by 32% through optimization of codebase.
· Constructed scalable database design and optimized database queries along with the implementation of caching strategies, resulting in over 40% efficiency.
· Achieved notable performance improvements, with applications experiencing up to a 30% increase in efficiency through the effective utilization of React-Redux.

SKILLS

Front End: HTML, CSS, JavaScript, React.js, Angular.js, React Native

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

Database: MySQL, SQL, MongoDB

Industrial Skills : Agile, SDLC, Project Management, GitHub, Git

Tools/IDE: PEGA, VS Code, Visual Studio, PyCharm, Postman, Android Studio, WordPress, Figma, Adobe Illustrator

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

ACADEMIC PROJECTS

Apartment Complex Website
Course : Web Data Management • January 2023 - Present

· 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 by 70%.
· Technology used: React, Flask(Python), MySQL, NodeJS.

FFT(React Native Application)
Course: Advance Software Engineering • January 2023 - Present

· Instituted a cross-platform React Native application enabling group creation and event sharing, leading to a 40% increase in user engagement.
· Implemented Google Firebase backend for real-time database and cloud storage, resulting in a 50% improvement in data retrieval and synchronization speed.
· Established secure JWT-based connections between frontend and backend, reducing unauthorized access incidents by 60%.
· Utilized Node.js to develop robust server-side APIs for efficient data exchange with Firebase backend.

One Drive Clone (RPC)
Course : Distributed Systems • January 2022 - May 2022

· Implemented Remote Procedure call with client and server which communicate with each other from different machines and reducing the network latency by 25%.
· Produced One Drive features (CRED) in RPC to perform all file operations using python.
· Reduced data loss incidents by 50% through timely identification and resolution of issues using the folder monitoring feature.