

VYSHNAVI KARUMURU

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PROFESSIONAL SUMMARY

A Full-Stack Web Developer with over **3 years** of experience in developing responsive web applications for e-commerce and healthcare industries, specializing in modern frameworks like **React**. Possesses a strong foundation in databases (**MySQL**, **PostgreSQL**, **MongoDB**), backend technologies (**Java**, **Spring Boot**) and maintaining **RESTful APIs**. Adept at collaborating with cross-functional teams, following Agile methodologies, and ensuring high-quality software delivery. Demonstrates a strong focus on continuous learning and applying emerging technologies, including **AI-powered solutions**.

EDUCATION

Florida International University, Miami, FL	Aug 2022 – Dec 2023
<i>MS in Computer Science (Courses: DBMS, Introduction to Algorithms, Web Development).</i>	<i>(CGPA – 3.63)</i>
MLR Institute of Technology, Hyderabad, India	Aug 2017 – Jun 2021
<i>BTECH in Information Technology (Courses: Data Structures & Algorithms, Java, Web Frameworks)</i>	<i>(CGPA – 3.30)</i>

TECHNICAL SKILLS

Programming Languages	: Java EE, Python, JavaScript ES6+, TypeScript, HTML, CSS3, Bootstrap
Databases / Cloud	: MySQL, PostgreSQL, NoSQL, MongoDB, Drizzle ORM, Azure, AWS
Web Frameworks / API	: ReactJS, Spring boot, Spring MVC, Next.js, Node.js, jQuery, REST API
Others / Build Tools	: Git, GitHub, Jenkins, JWT, Maven, VS Code, JIRA, Jest, Linux

WORK EXPERIENCE

Fiona Solutions Frontend Web Developer, Houston	Feb 2024 – Present
<ul style="list-style-type: none">Spearheaded the development of an e-commerce platform using React, TypeScript and optimizing UI/UX design workflows using Figma, reducing design-to-development time by 30%.Developed responsive web interfaces using Bootstrap, improving user experience across devices by 40%.Utilized jQuery for DOM manipulation, and AJAX requests, enhancing web performance by 20% faster page loads.Conducted code reviews, resolved JIRA issues, and focused on debugging, troubleshooting, and unit testing using Jest.Implemented CI/CD pipelines using Jenkins and GitHub, reducing deployment time by 40% and increasing release frequency from bi-weekly to daily for a high-traffic e-commerce platform.Collaborated with UI/UX & backend developers to deliver high-quality solutions, which increased user-satisfaction by 20%.	
Suvarna TechnoSoft Full Stack Web Developer, Hyderabad	Jun 2019 – Jul 2022
<ul style="list-style-type: none">Developed and maintained multiple React, JavaScript ES6+ user interfaces for healthcare insurance providers using Redux, React Hooks for state management, utilizing Webpack, Babel, and NPM to streamline development workflowIntegrated AWS (Cognito, S3, EC2, Lambda) for enhanced API security, and to handle 3X more concurrent users.Improved PostgreSQL database performance by 40% for high-volume data by optimizing schemas, creating stored procedures, and refining complex SQL queries for processing over 50K transactions.Managed RESTful microservices with Java EE and Spring Boot, applying Redis caching strategies reducing API calls by 50% and used Dynatrace for user behavior tracking and performance metrics, improved marketing analytics.Refined automation dependency management with Maven & Jenkins, led to 40% shorter deployment times.Engaged in all phases of SDLC using Agile methodologies, for high-quality applications adhering to WCAG 2.1 guidelines.	

PERSONAL PROJECTS

Grab It. a Food-ordering Application (Try it here)
<ul style="list-style-type: none">Built a robust food ordering system using MERN Stack with essential features, enhancing user experience and functionality.Created an admin panel for food & business management and order status updates, utilizing Context API and React Hooks for state management, and Axios for HTTP requests to interact with RESTful APIs.
Flashcards AI Application
<ul style="list-style-type: none">Developed an AI-powered solution for a Quiz Application using Next.js, TypeScript, and Node.js, bypassing the need for manual quiz generation, boosted learning efficiency by 25%.Managed PostgreSQL databases with Drizzle ORM for robust backend services and optimized REST API interactions.

For more projects, visit my [Portfolio](#): [Portfolio](#)

CERTIFICATIONS

- Coursera:** Front-End Development with React
- Microsoft Certified:** Azure Fundamentals and Data Fundamentals