

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 translating complex data into impactful visual representations, with strong wireframing skills using **Figma and Adobe**. Demonstrates a strong focus on problem solving, analytical skills, continuous learning, 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 2EE, Python, JavaScript ES6+, TypeScript, HTML5, CSS3, Tailwind CSS
Databases / Cloud : MySQL, PostgreSQL, NoSQL, MongoDB, Drizzle ORM, Azure, AWS
Web Frameworks / API : ReactJS, Spring boot, Spring MVC, Next.js, Node.js, Express.js, jQuery, REST API
Others / Build Tools : AEM, Docker, Figma, GitHub, Jenkins, JIRA, Jest, Kubernetes, Maven, Power BI, Redis

WORK EXPERIENCE

Fiona Solutions Frontend Web Developer, Houston	Feb 2024 – Present
<ul style="list-style-type: none">Spearheaded the development of an e-commerce customer facing website using React, TypeScript.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 performed unit testing using Jest, ensuring robust UI development.Initiated CI/CD pipelines with Jenkins for Docker and Kubernetes based web application deployment.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 based UIs using JavaScript ES6+, AEM for healthcare insurance providers.Optimized UI/UX workflows using Adobe Illustrator and Figma, adhering to WCAG 2.0 standards, reducing design-to-development time by 30% and improving design consistency by 45%.Integrated AWS (Cognito, S3, EC2, Lambda) for enhanced API security, and to handle 3X more concurrent users.Implemented MongoDB to store and manage NoSQL patients' data, resulting in a 35% improvement in data retrieval speed and enabling API with real-time updates to insurance claims processing.Managed RESTful microservices with Java 2EE 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.	

PERSONAL PROJECTS

Grab It. a Food-ordering Application ([Try it here](#))

- Built a robust food ordering system using **MongoDB, Express.js, React.js, Node.js (MERN)** stack with features like user authorization with **JSON Web Tokens (JWT)**, shopping cart, and payments, enhancing functionality and user experience.
- 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**.

ElectraInsight: Data Analytics for Electric Vehicles (EV)

- Designed an insightful **Power BI** dashboard visualizing the growth of EV adoption, featuring quick action filters, dynamic parameters, and real-time data, enabling efficient comparisons which resulted 78% of battery electric vehicles (BEV) usage.

Flashcards AI Application

- Developed an AI-powered solution for a Quiz Application using **Next.js, TypeScript, Tailwind CSS, 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