

# Inukollu Harsha Vardhan Reddy

Full Stack Developer

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GitHub Profile - <https://github.com/HarshaInukollu123>

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## Professional Summary

Results-driven Full Stack Developer with 5+ years of hands-on experience designing and implementing scalable web applications using React.js, Redux, Node.js, and MongoDB. Proficient in creating intuitive, responsive UIs and robust backend systems with RESTful APIs and Django. Adept at managing state with Redux, writing efficient test cases using Jest, and deploying projects with CI/CD pipelines on platforms like Vercel. Skilled in Agile methodologies and leveraging tools like Git, GitHub, and Jira to streamline development cycles. Committed to delivering high-quality, maintainable code and continuously enhancing user experiences.

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## Education

**University Of Central Missouri**, Warrensburg, MO

Master's in Computer Science, Dec 2024

**Bapatla Engineering College**, India

Bachelor's in Electrical Engineering, June 2018

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## Skills

**Frontend:** React.js, Redux, HTML5, CSS3, Javascript(Es6),Tailwind CSS, Material UI

**Backend:** Node.js, Express.js, Python, Django, REST APIs

**Database:** MongoDB, SQL

**Tools & Platforms:** Git, GitHub, GitLab, Jira, Vercel, Netlify

**Testing:** Jest, Postman

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## Professional Experience

### Software Engineer

*Infinite Computer Solutions | Bengaluru, India | Jun 2022 – May 2023*

- Utilized advanced web development technologies such as React, Redux, Node.js, Express.js, MongoDB, and ECMAScript 6.
- Contributed to Verizon Database Self-Service (DBSS) Team for network and Customer Relationship Management projects.
- Managed incident and problem resolution activities for personal and third-party interface designs.
- Developed high-volume, scalable web frontends requiring responsive designs.
- Took ownership of the application, using Jira for requirement tracking and GitHub/GitLab for version control.
- Implemented Agile and Scrum methodologies to streamline development processes and reduce delivery timelines.
- Upgraded React and React-Router versions for enhanced performance and usability.
- Migrated class-based components to functional components and introduced hooks for better code optimization.

### Software Engineer

*WML IT Solutions | Hyderabad, India | Aug 2019 – jun 2022*

- Integrated Redux for global state management and seamless data retrieval across application components.
- Designed and developed a web app demonstrating two-way audio functionality using HTML, CSS, and React.js.
- Tested RESTful APIs using POSTMAN for accurate data integration.
- Leveraged ES6 features, events, and promises in React.js for efficient application control flow.
- Adhered to Test-Driven Development (TDD) principles and performed end-to-end testing using Jest.
- Implemented Axios for HTTP client requests, enabling efficient interaction with REST APIs.
- Developed responsive applications using Material UI and Tailwind CSS to ensure platform compatibility.
- Followed Agile methodology for requirement gathering, design, development, testing, deployment, and review.

## Associate Software Engineer

*Tech Mahindra | pune, India | jun 2018 – Aug 2019*

- Collaborated with the SOA (Service-Oriented Architecture) support team to track software performance and ensure seamless operations.
- Designed and maintained modules for monitoring critical system metrics, ensuring high availability and reliability.
- Developed and implemented tools to generate detailed performance reports for stakeholders, aiding in decision-making and system optimization.
- Automated performance tracking workflows, reducing manual effort and improving accuracy in report generation.
- Conducted root cause analysis for performance issues and implemented fixes to enhance system performance.
- Coordinated with cross-functional teams to optimize system monitoring tools and align them with business requirements.
- Provided timely updates and documentation on system performance trends and potential areas for improvement.

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## Projects

### Hotel Management System

University of Central Missouri - Warrensburg, Mar 2024

- Technologies Used: React.js, Node.js, Express.js, MongoDB, Tailwind CSS, JWT Authentication, REST APIs.
- Description:

Developed a comprehensive hotel management platform to streamline operations for admins, hotel managers, and guests. The system includes role-based access control and dynamic features to manage bookings, monitor transactions, and provide seamless user experiences.
- Key Features:
- Admin Role:
  - Oversaw hotel listings, booking statuses, and financial transactions.
  - Managed user roles, including hotel managers and guests.
  - Integrated commission tracking for bookings.
- Hotel Manager Role:
  - Updated room availability and pricing in real time.
  - Processed cancellations and refunds with a user-friendly dashboard.
  - Monitored bookings and ensured data accuracy.
- Guest Role:
  - Enabled room searches based on price, availability, and location.
  - Provided secure booking with personal and payment information.
  - Generated e-tickets and maintained booking history in a personalized dashboard.
- Implemented JWT-based authentication to secure the platform and protect user data.
- Used Tailwind CSS for a fully responsive and intuitive UI design.
- Deployed and tested RESTful APIs for smooth client-server communication.
- Enhanced system scalability to handle high traffic and concurrent bookings.

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## Certifications

- Meta Front-End Developer Professional Certificate