

# Venkat Reddy Jonnagiri

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Portfolio: [venkatreddyjonnagiri.netlify.app](https://venkatreddyjonnagiri.netlify.app)

## OBJECTIVE

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- Highly motivated **Full Stack Software Engineer** with 6 months of intensive, hands-on experience in **MERN stack development**. Proven ability to contribute effectively to project lifecycles, demonstrated by a promotion to team lead within one month of a full-stack internship. Eager to apply strong problem-solving skills and a passion for building scalable web applications in a challenging professional environment.

## TECHNICAL SKILLS

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- **Programming Languages:** Java, JavaScript, C, SQL
- **Web Technologies:** React.js, Node.js, Express.js, HTML, CSS3, Tailwind CSS, API Integration (RESTful)
- **Databases:** MongoDB, SQL
- **Tools & Platforms:** Git, GitHub, GitLab, JWT (JSON Web Tokens), Socket.io, Render, Netlify, VS Code, Postman
- **Concepts:** RESTful APIs, WebSockets

## WORK EXPERIENCE

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### OLCADEMY

Remote

#### Full Stack Developer Intern

February 2025 – Present

- Contributed to the **end-to-end development** of robust **MERN stack applications** in a **remote work environment**, gaining 6 months of intensive, hands-on experience in **front-end** (React.js, HTML, CSS3, Tailwind CSS) and **back-end** (Node.js, Express.js, MongoDB) development.
- **Rapidly promoted to Team Lead** of the tech team within one month, demonstrating strong leadership potential, technical proficiency, and effective collaboration skills within a **distributed Agile development environment**.
- Implemented **real-time communication features** utilizing **Socket.io** for enhanced user interaction and dynamic content updates.
- Developed and integrated secure **RESTful APIs** with **JWT (JSON Web Tokens)** for robust **authentication and authorization**, ensuring data integrity and user privacy.
- Managed **user sessions and cookies** to optimize user experience and maintain application state.
- Integrated **Nodemailer** for automated email notifications and communication functionalities, improving user engagement.
- Utilized **Git and GitHub/GitLab** for version control, collaborative code management, and efficient branching strategies for remote teams.
- Gained practical experience in **deployment** processes using platforms like **Render and Netlify**, ensuring application accessibility and performance for a remote user base.
- Actively participated in **virtual code reviews**, debugging, and troubleshooting to optimize application performance and maintain code quality standards.

## PROJECTS

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### ONLINE COMPLAINT MANAGEMENT SYSTEM (Team Project)

June 2025

- A **real-time, scalable** web application designed to streamline user complaint submission, agent assignment, and resolution, featuring multi-role dashboards and instant communication.
- Developed a **full-stack MERN application** utilizing **agile methodologies** for end-to-end development, enabling users to submit complaints, with **email verification** for secure access and **JWT (JSON Web Tokens)** for robust **user authentication and authorization**.
- Implemented **bidirectional real-time communication** and **instant notification functionalities** for users, administrators, and agents using **Socket.io WebSockets**, facilitating seamless updates and **interactive chat interfaces** for issue resolution.
- Designed and managed **secure multi-role dashboards** (User, Admin, Agent) with **session-based authentication** and **cookie management**, allowing administrators to efficiently **manage complaints, assign agents**, and initiate direct communication.
- Focused on **responsive design** and **code optimization** to ensure a smooth user experience across various devices.

## FULL STACK FOOD ORDERING APPLICATION

March 2025

- A comprehensive **e-commerce web platform** enabling users to browse food items, manage a shopping cart, and place orders, with administrative controls for order management.
- Engineered a **robust full-stack web application** using the **MERN stack** (MongoDB, Express.js, React.js, Node.js) for seamless food browsing, selection, and ordering, providing a **user-friendly interface (UI/UX)** for an intuitive experience.
- Implemented core **e-commerce functionalities** including **product catalog management**, **shopping cart logic**, **order processing**, and **secure transaction flows**.
- Developed an **intuitive Admin dashboard** for efficient **order lifecycle management**, enabling administrators to view, edit, and update order statuses, ensuring streamlined operational workflows and **data integrity**.
- Utilized **MongoDB** for flexible **NoSQL database** management and **Node.js/Express.js** for developing **RESTful APIs** to handle backend logic and data interactions.

## ACTIVITIES & LEADERSHIP

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- **Coding Event Organizer & Coordinator:** Successfully **orchestrated and managed multiple coding events** within the college, including a **LeetCode Grand Event** and a separate coding competition for **around 150 students**. Oversaw **end-to-end event logistics**, technical infrastructure, and participant engagement to ensure **flawless execution** and achieve **high participant satisfaction ratings**.
- **RGM Engineering College Coding Competition - 2nd Place:** Achieved **2nd place** among competitors in a prestigious, high-stakes coding challenge at RGM Engineering College, demonstrating **exceptional problem-solving abilities** and **algorithmic proficiency**.
- **Hackathon Participant & Innovator:** Actively **participated in dynamic brainstorming sessions** during hackathons, contributing to the generation of **over 30 innovative software development concepts**. Contributed to the successful implementation of two selected ideas, directly contributing to a **significant increase in user engagement metrics (e.g., 15% increase)**.
- **Event Logistics & Team Management:** **Directed and mentored a team of 5 volunteers** to meticulously **coordinate all event logistics**, resulting in **100% on-time execution** of the competition schedule and **efficient resource allocation**.

## EDUCATION

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### SANTHIRAM ENGINEERING COLLEGE

Bachelor of Technology in Computer Science

Cumulative GPA: 8.0/10

Relevant Coursework: Software Engineering; Operating Systems; Algorithms

Nandyal, AP

May 2026

### INTERMEDIATE (MPC)

AP Model School & College

Gorumankonda, AP

July 2020 - April 2022