

# MUCHU VENKATA KARTHIK

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## Education

**KONERU LAKSHMAIAH EDUCATION FOUNDATION**

**2022 – 2026**

*Bachelor Of Technology In Computer Science*

*Guntur, Andhra Pradesh*

## Career Objective

To leverage my 3 years of experience in web projects, including full-stack development with the MERN stack, MySQL, and SpringBoot, along with hackathon-driven problem solving skills, to deliver innovative solutions and drive impactful change in a dynamic organization.

## Relevant Coursework

- Data Structures
- Algorithms
- Network Protocols and Security
- Database Management
- Software Methodology
- Artificial Intelligence

## Experience

- Excelled in multiple 24-hour hackathons, leading teams to deliver innovative solutions under tight deadlines, earning recognition for creativity and efficiency.
- Designed and developed dynamic web applications using the MERN stack (MongoDB, Express.js, React, Node.js), implementing modern development practices and optimizing user experiences.
- Engineered automation tools and functional Android applications, demonstrating versatility in solving technical challenges across diverse platforms.
- Delivered real-world projects with innovative features, such as AI-driven analytics and real-time data processing, improving operational efficiency by up to 30%.

## Academic Projects

**E-commerce** 🔄 | *MERN Stack, Payment Gateway*

**03/2023 – 05/2023**

- Developed E-commerce Platform: Built an online store with over 100 product listings using the MERN stack, integrating Stripe for 100+ daily secure transactions.
- Enhanced Front-End Performance: Optimized React components, reducing page load time by 25% and boosting user retention by 15% on mobile devices.
- Streamlined Data Operations: Configured MongoDB to handle 500+ orders monthly, cutting retrieval time for product data by 30% with efficient indexing.

**Online Job Portal** 🔄 | *React, Node.js, Express.js*

**12/2023 – 04/2024**

- Crafted Interactive Interfaces: Implemented lazy loading techniques in React, reducing page load time by 20%.
- Optimized Server-Side Logic: Improved routing efficiency with Node.js and Express.js, cutting server response time by 35%.
- Implemented User Features: Added profile creation and job filtering functionalities, enhancing usability and user satisfaction.

**Cricket Scores** 🔄 | *React.js, API Integration*

**01/2025 – 02/2025**

- Integrated Live API Updates: Built a React.js-based app capable of handling over 50 score updates per second with zero dropped requests.
- Boosted Performance: Reduced initial load time by 15% via code splitting and improved refresh rate efficiency by 40% through optimized API calls.
- Delivered Intuitive Design: Designed a sleek, user-friendly interface for an engaging and seamless experience.

## Technical Skills

**Languages:** Java, C, HTML, CSS, JavaScript, SQL

**Developer Tools:** VS Code, Eclipse

**Technologies/Frameworks:** MERN, GitHub

## Certificates

**Essentials RPA Professional** 🔄

**Red Hat Certified Enterprise Application Developer** 🔄