

# KOLAGATLA SATYANARAYANA REDDY

Markapur, Prakasam, Andhra Pradesh

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## Education

**KKR and KSR Institute of Technology and Sciences**

*Bachelor of Engineering in Electronics Communication*

**June. 2020 – May 2024**

*Guntur, India*

## Technical Skills

**Languages:** Python, Java, C, Embedded C, C++, HTML/CSS, JavaScript, PHP, SQL Tailwind CSS.

**Developer Tools:** VS Code, Eclipse, Git.

**Technologies/Frameworks:** Linux, GitHub, WordPress, React JS, Nodejs, Vite.

## Relevant Coursework

- |                         |                       |                      |                         |
|-------------------------|-----------------------|----------------------|-------------------------|
| - Responsive web design | - Algorithms Analysis | - Embedded Systems   | - System Programming    |
| - System Methodology    | - Database Management | - Internet of Things | - Computer Architecture |

## Experience

### Internshala

**May 2022 – October 2022**

#### Web development

- Completed an intensive Internshala web development program, mastering front-end and back-end technologies developed and launched three full-stack web applications.
- Mastered HTML, CSS, JavaScript, Bootstrap, jQuery, PHP, and MySQL, enhancing web development capabilities and creating dynamic, user-friendly websites with responsive designs that boosted user engagement.
- Acquired hands-on experience in building responsive, interactive web applications.
- Collaborated with peers and mentors, completing projects and assignments, while actively participating in discussions to enhance learning.

## Projects

### Stress analysis and care prediction | *Internet of things, Embedded C, Python.*

**April 2024**

- As the project lead, I directed the creation of an IoT solution focused on stress analysis and proactive care prediction using heartrate data. This initiative involved integrating advanced hardware and software for real-time health monitoring. We utilized Arduino Uno and a heartbeat sensor to monitor stress levels via heartbeat data.
- Implemented a specialized algorithm to convert heartbeat variability into stress percentages, triggering customized care messages on the user's mobile. Demonstrated the integration of wearable technology and health management, delivering real-time stress assessments and personalized care recommendations to enhance mental health.

### Personal portfolio | *HTML, CSS, JavaScript, React js.*

**May 2023**

- Showcased Expertise through a diverse array of web development projects, demonstrating mastery in MERN Stack. Developed dynamic and responsive web applications, emphasizing seamless integration of frontend and backend technologies for optimal user experiences.
- Displayed successfully executed projects that highlighted creativity in design, adherence to best coding practices, and a keen focus on user interactivity and engagement, illustrating a well-rounded skill set in the field of web development.

### Weather App | *HTML, CSS, JavaScript, APIs, MERN Stack | arrange on GitHub.*

**October 2023**

- Designed a Weather App using the MERN stack (MongoDB, Express.js, React.js, Node.js) for scalable and efficient performance. Integrated Weather APIs to provide real-time forecasts, and utilize the app on GitHub for accessibility and collaboration.

## Leadership / Extracurricular

### IEEE STUDENT CHAPTER [IEEE]

**MAY 2022– Present**

#### Head of executive wing

*KKR and KSR Institute of Technology and Sciences.*

- Orchestrated successful events with smooth coordination, ensuring minimal disruptions.
- Enhanced communication and teamwork by collaborating with various persons and expanding connections across colleges, leading to increased chapter visibility and member engagement. Led chapter of 10+ members to work towards goals that improve community service, and unity.