

MACHA GAYATHRI

Computer Science & Engineering - Cyber Security

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Education

Malla Reddy Engineering College <i>Computer Science & Engineering- Cyber Security</i>	2022 – Present 8.44
Sri Chaitanya Junior College <i>MPC</i>	2020 –2022 94%
Vijaya High School <i>SSC</i>	2020 10.0

Technical Skills

Languages: Java, Python(Basic), C, HTML/CSS, JavaScript, SQL

Tools: Git, Git Hub, VS Code, Netlify

Frameworks: React.js (Learning)

Relevant Coursework

- OOPs
- Operating System
- Computer Networks
- Database Management
- Data Structures

Projects

MoodTunes – Music Recommender Web App | *React.js, JS, HTML/CSS, Git, Netlify, Media Embeds* **July 2025**

- Built a responsive web app using React.js that recommends music based on user-selected moods (Happy, Sad, Angry, Relaxed) with embedded Spotify and YouTube players.
- Built reusable components (Designed and implemented modular components (MoodCard, SongList) with conditional rendering for dynamic media playback.
- Organized song metadata in a reusable JavaScript module (moodData.js) to ensure scalable and maintainable data handling.
- Deployed on Netlify; maintained version control using Git and GitHub. (Live Demo | GitHub)

Hospital Patient Management System | *Java, Data Structures (Queue, PriorityQueue), Console Interface* **April 2024**

- Built a Java console app for patient admission, priority-based treatment, and discharge tracking.
- Used Queue and PriorityQueue for efficient patient flow and decision-making.
- Implemented severity-based sorting to ensure timely treatment of critical patients.

AgriGuide – Seasonal Crop Recommendation System | *C, Console Application, Conditional Logic* **January 2023**

- Built a console tool to suggest crops based on soil type and current month using conditional logic.
- Identified cropping seasons (Rabi, Kharif, Zaid) through user input and control flow.
- Provided soil-specific crop recommendations with input validation and interactive feedback.

Experience

R Square Educational Services **May 2023**

Junior Developer Intern *Hyderabad, Telangana*

- Developed an interactive Playable Piano Web Application using HTML, CSS, and JavaScript..
- Implemented key mapping and audio playback features to simulate real piano functionality in the browser..
- Focused on responsive UI design and smooth user interactions for a seamless musical experience.
- Gained hands-on experience in front-end development, DOM manipulation, and debugging JavaScript event handling.

Leadership / Extracurricular

Street Cause **2024 – 2025**

Vice President

MREC

- Organized multiple fundraising events and mobilized student participation for social causes.
- Utilized raised funds to design impactful projects for underprivileged communities.
- Championed student-led initiatives to promote sustainability and social responsibility.