SAI GANESH RATNALA

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EDUCATION

SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY, Hyderabad.   2021 - Present
Bachelor of Technology: Electronics and Computer Engineering   CGPA: **8.71**

SRI CHAITANYA JUNIOR COLLEGE, Hyderabad.   2019 - 2021
Intermediate: Science   CGPA: **9.70**

BHADRACHALAM PUBLIC SCHOOL & JUNIOR COLLEGE, Sarapaka.   2014 - 2019
High School: CBSE   CGPA: **7.83**

SKILLS

Languages :   Java, C++, JavaScript, Python, SQL
Web Dev :   HTML, CSS, React, Tailwind CSS, Node.js, Express.js, MySQL, MongoDB
Tools :   Postman, VSCode, Git

PROJECTS

Smart Ration Vitharan Aur Niyantaran Portal   Feb 2025 - Present
- A digital ration distribution system with features like chatbot support, PDS service locator, digital receipts, user verification, SMS alerts, slot booking, emergency ration, farmer procurement, nodal office requisition, and a ration mart for cardholders, all managed through a centralized admin dashboard for seamless control and transparency.

E-seva Portal 🔗   May 2024 - July 2024
- Developed a web-based emergency services portal integrating Ambulance, Police, Petrol, Fasting, and Blood Bank services. Features include emergency reporting, police assistance, fuel booking, donor lists, hospital locators, toll recharge, and user authentication to ensure quick and efficient service accessibility.

MenStore. 🔗   May 2024 - June 2024
- Created an e-commerce website for men's fashion, the platform features intuitive navigation, responsive design, and well-organized product categories, including clothing, footwear, and accessories. Integrated a dynamic product listing, filtering options, and a seamless user experience to enhance online shopping efficiency.

Smart Compost System 🔗   Sep 2022 - Apr 2023
- Designed and implemented an IoT-based composting system enables users to efficiently monitor and control the composting process through real-time sensors that track temperature, humidity, and decomposition levels. This solution empowers households and businesses to convert organic waste into nutrient-rich compost with minimal manual intervention.

CERTIFICATES

★ Java Programming Fundamentals   **- Infosys Springboard**
★ Programming In Java   - **NPTEL (IIT Kharagpur)**
★ SQL (Intermediate) Certificate   - **Hackerrank**
★ Certified Smart Coder   - **Smart Interviews**
★ Completed Introduction to Frontend and Programming with JavaScript   - **Coursera**

LEADERSHIP

JOINT SECRETARY FOR EXTERNAL AFFAIRS, The Robotics Club - SNIST   **July 2023 - July 2024**
- Led the web technologies team, managing the club's official website and ensuring a seamless digital presence. Played a key role in establishing partnerships with other clubs and organizations, fostering collaboration, and expanding the club's outreach.

MARKETING DEPUTY, Roboveda'23   **Nov 2023 - Dec 2023**
- Led a team to secure sponsorships for a National-Level Technical Fest with a footfall of 100,000+ attendees. Implemented innovative branding strategies and promotional activities to enhance the visibility and success of ROBOVEDA' 23.

AWARDS

- Shortlisted for the Innovation funding of **200000 INR** through the Yukti Innovation Challenge 2023, organized by MoE's Innovation Cell, Institution's Innovation Council and AICTE for our innovation Smart Compost System.
- Among the **Top 3 teams** in the Electronics & Computer Engineering (ECM) Department at Smart India Hackathon 2023 for our innovation Smart Compost System.