

Nagaruthwik Merugu

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Objective

Full Stack Developer proficient in Java, Spring Boot, and MERN stack. Experienced in building scalable web applications and real-time dashboards. Eager to apply development skills to real-world software engineering projects in a collaborative environment.

Education

Bachelor of Science in Computer Science Engineering

Sep 2022 - Mar 2026

Malla Reddy University | Hyderabad, India

CGPA: 8/10

Intermediate in Mathematics, Physics & Chemistry

Jun 2020 - Mar 2022

Vidwan Junior College | Warangal, Telangana

Percentage: 80.05%

Skills

- Java and JavaScript
- Frontend: React.js, HTML, CSS, Tailwind, Framer Motion
- Backend: Node.js, Express.js, Spring Boot
- MySQL database management
- Tools: Git, Firebase, AWS, Postman

Experience

Internship

May 2025 - Aug 2025

Unified Mentor Private Limited | Remote, India

- Contributed to frontend and backend development for various projects as Full Stack Web Developer. Developed scalable, responsive web applications using React.js, Node.js, Express.js, MongoDB, and Firebase.
- Focused on user interaction, animations, REST API integration, and responsive design in web applications.
- Engineered Teacher-Student Appointment System with real-time dashboards and animated UI using Framer Motion. Created Hospital OT Scheduler to streamline operation theatre bookings with slot conflict resolution.
- Built and deployed four mini-projects to enhance technical skills and project diversity.

Projects

1. Hostel Management System | Jan – Feb 2025 |

- Engineered a full-stack hostel management platform with distinct portals for users and administrators, supporting features like room booking, service request tracking, and real-time allocation oversight. Integrated secure login, role-based access, RESTful APIs, and responsive UI
- Designed and implemented a dynamic food calculation module to estimate daily, weekly, and monthly requirements based on resident count.
- Technologies: Java, Spring Boot, MySQL, React, Tailwind CSS, Framer Motion.

2. E-Commerce Web Application | Mar – Apr 2025

- Designed and developed a full-featured e-commerce platform with dedicated user and seller modules, supporting product listings, shopping cart functionality, order processing, and inventory control.
- Integrated a secure payment gateway and implemented role-based authentication for streamlined user access.
- Crafted responsive, mobile-optimized interfaces using modern UI libraries, enhancing user engagement across devices
- Tech Stack: Java, Spring Boot, MySQL, React, Bootstrap/Tailwind CSS, Framer Motion.

3. Student–Teacher Appointment System| May – Jun 2025 |

- Devised a department-based appointment scheduling app allowing students to easily book slots with faculty, with dashboards tailored to each user role.
- Employed secure sign-ins in using bcrypt , modular APIs, and a polished UI for enhanced user experience.
- Utilized **MERN Stack (MongoDB, Express.js, React, Node.js), Tailwind, Framer-motion**

4. Operation Scheduler for Hospital Management | Jun – Aug 2025 |

- Architected a web-based surgery scheduling tool for hospitals, optimizing assignment of doctors, nurses, anesthesiologists, and operation theaters under constraints such as time slots and emergencies.
- Automated complex logic for conflict detection, time prioritization, and team coordination to streamline medical operations.
- Stack: MongoDB, Express.js, React, Node.js (MERN), Tailwind CSS, Framer Motion.

Certifications

- **Java – Coursera**
- **Python - Coursera**

Extracurricular Activities

- Hackathon in Codefest, developed an innovative Hostel-Management solution within 48 hours.