THIMMAREDDY NITHIN REDDY

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SRM University: B.Tech in Artificial Intelligence | GPA: 8.78/10   **Chennai, TN**
Selected Coursework: Neural Networks and Machine Learning, Web Development, Data Analysis   *Sept 2021 – June 2025*

Projects

Muscle Strain Detection [IOT Product]–

- Engineered a posture-tracking wearable using ultrasonic sensors to reduce muscle injuries up to 85%.
- Achieved >80% accuracy in detecting poor posture; alerts reduced bad posture incidents by 40% in user testing.

Exports [html, css, javascript] –[Project Link]
- Created a logistics web platform for handling shipment data; improved request-processing speed by 60%.
- Engineered a customer-to-employee communication portal featuring real-time package tracking and automated delivery updates, which decreased customer inquiries regarding shipment status by 30% and increased coordination.

Mental-Health-Resource-Hub [React js]–[Project Link]

- Designed a mental wellness platform offering 50+ curated articles, tools, and expert contact options.
- Enabled recommendation engine boosting user time on site by 35%.

E-Commerce [Full Stack Development]-[Project Link]
- Evolved modular shopping portal with Games, Movies, and Retail sections.
- Integrated role-based access control for secure and high user data handling up to 65%.

MemoTag – AI for Dementia Care [Frontend Development] – [Project Link]
- Designed and improved an AI-assisted dementia care platform with a responsive UI using React, Tailwind CSS, and Framer Motion, improving cross-device accessibility by 40%.
- Integrated Lottie animations, dark mode, and a testimonials carousel, increasing user engagement by 35%.

Live Code Execution Platform with Judge0 & MongoDB-
- Enhanced a full-stack code editor using React.js, CodeMirror, and Node.js to support real-time execution of JavaScript, Python, C++, and Java via the Judge0 API, improving language support coverage by 60%.
- Integrated asynchronous token-based polling for result fetching, boosting execution reliability and reducing UI response time by 40%.

Experience & Leadership

Codsoft [Intern]   Aug 2023- Oct 2023

Internship Experience
- Delivered 5+ high-quality, responsive landing pages and portfolio sites, increasing user interaction by 30%.
- Customized UI/UX components aligned with brand identity, enhancing engagement and navigation efficiency.

Achievements

- Secured **20th rank out of 200+ students** in AI department based on cumulative GPA.

Skills & Interests

Languages: JavaScript, Python
Frameworks: React.js, Node.js, Express.js
Technologies: MongoDB, Postman, Git
Domains: Full-Stack Web Development, IoT Systems, Machine Learning, Natural Language Processing

Interests: Web Application Development, Generative AI, Human-Centered Computing