

Tharun Reddy Kathulla

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Personal Summary

Detail-oriented Computer Science Master's student with 2+ years in **HTML, CSS, JavaScript, React**, and **content management**, building **accessible** web solutions in **Agile** teams. Eager to join Formlabs to enhance support documentation and SEO.

Education

Southern Illinois University Edwardsville <i>Master of Science in Computer Science</i> <ul style="list-style-type: none">Relevant Coursework: Web Development, User Interface Design, Content Management	Edwardsville, IL
SASTRA University <i>Bachelor of Technology in Computer Science and Engineering</i> <ul style="list-style-type: none">Relevant Coursework: Web Technologies, Data Structures, Agile Methodologies	Thanjavur, India

Technical Skills

Programming Languages & Front-End: HTML, CSS, JavaScript, TypeScript, React, Tailwind CSS
Back-End & Databases: Spring Boot, Node.js, PostgreSQL, MySQL
Testing & Tools: Jest, Git, GitHub, Jenkins, JIRA
Technologies: SEO, Web Accessibility, Content Management, Agile

Experience

Southern Illinois University Edwardsville <i>Software Developer</i> <ul style="list-style-type: none">Developed web-based support tools using HTML, CSS, JavaScript, and React, integrated with PostgreSQL, improving content accessibility by 20% in Agile teams using Git.Converted PDF and Word documents to HTML for web platforms, enhancing content publishing efficiency by 15% for 5,000+ users.Applied SEO best practices and ARIA labels, improving web accessibility scores by 15% (verified with Lighthouse) for support sites.Collaborated with content teams via JIRA, refining web requirements to enhance publishing workflows by 12%.Wrote Jest tests for React components, achieving 95% code coverage, and configured Jenkins CI/CD pipelines, reducing deployment errors by 10%.Maintained CMS workflows, streamlining documentation updates by 15% for user-facing support portals.Utilized Tailwind CSS for responsive UI, boosting user engagement by 10% across desktop and mobile devices.Integrated JavaScript animations, enhancing user interaction by 12% on support pages.Documented web workflows, improving team onboarding efficiency by 10% in Agile environments.Optimized CSS performance, reducing page load times by 15% for support platforms.	Edwardsville, IL May 2024 – Present
SASTRA University <i>Software Developer Intern</i> <ul style="list-style-type: none">Built web applications with HTML, CSS, JavaScript, and React, integrated with PostgreSQL, improving content delivery by 20% in Agile workflows using Git.Converted technical documents to HTML, enhancing web publishing efficiency by 15% for support platforms.Implemented SEO techniques, increasing web traffic by 12% for user-facing documentation sites.Collaborated with remote teams in JIRA, improving code quality by 15% through code reviews and content alignment.Wrote Jest tests, ensuring 90% code coverage, and reduced UI defects by 10% via test-driven development.Maintained CMS updates, improving documentation accuracy by 12% for web-based resources.Designed responsive CSS layouts, enhancing user experience by 10% for support portals.Added JavaScript interactivity, improving user engagement by 12% on web interfaces.Streamlined content workflows, reducing publishing errors by 10% for support sites.Enhanced HTML structure, improving web rendering speed by 15% for documentation platforms.	Thanjavur, India June 2021 – June 2023

Projects

AI-Based Email Replier | *React, Tailwind CSS, Spring Boot, REST API, Gemini AI API, Chrome Extension, Git*

- Developed a **full-stack** email repplier with **React**, **Tailwind CSS**, and **JavaScript** for the **front-end**, integrated with **Spring Boot REST APIs** and **Gemini AI API**, improving response efficiency by 20% for over 1,000 daily emails.
- Created a **Chrome Extension** with a "Generate AI Reply" button, optimizing **user interaction** by 15% through **responsive HTML/CSS** designs.
- Wrote **Jest** tests for **React** components, achieving 95% **code coverage**, and integrated **Jenkins** for **CI/CD**, enhancing **reliability** by 15%.
- Collaborated with **Agile** teams during **sprint planning** and **code reviews**, improving **feature delivery** accuracy by 15%.

AI Doctor | *React, Spring Boot, REST API, Ollama AI, Git*

- Built a **full-stack** healthcare app with **React**, **JavaScript**, and **CSS** for the **front-end**, integrated with **Spring Boot**, enhancing diagnostic support by 20% for thousands of user queries.
- Designed **responsive HTML/CSS** interfaces, improving **user experience** by 15% for **accessible** medical dashboards.
- Authored **Jest** tests for **React** components, ensuring 90% **code coverage** and improving **stability** by 15%.
- Documented **UI** workflows in **Agile** sprints, boosting **team alignment** by 15% for **healthcare** requirements.

Support Documentation Portal | *HTML, CSS, JavaScript, React, PostgreSQL, Git*

- Created a **web-based** support portal with **HTML**, **CSS**, **JavaScript**, and **React**, integrated with **PostgreSQL**, improving **documentation** accessibility by 20% for 1,000+ users.
- Converted **PDF** documents to **HTML**, applying **SEO** and **ARIA** standards, boosting **web visibility** by 15%.
- Wrote **Jest** tests for **React** components, achieving 95% **code coverage**, and ensured **accessibility** compliance by 15%.
- Collaborated with **Agile** teams to refine **content** workflows, improving **publishing** efficiency by 15%.

Leadership / Extracurricular

- **Web Development Club, SASTRA University:** Led 5+ workshops on **React** and **Java**, mentoring 100+ students, increasing **project participation** by 25%.
- **Mentor, SASTRA University:** Guided 80+ new hires on **Agile** practices, improving **onboarding efficiency** by 30%.