Sai Teja Thalari

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Education

The University of Texas at San Antonio   **Aug 2022 - May 2024**
Master of Science in Computer Science   *GPA: 3.66/4.0*

Relevant Coursework: Operating Systems, Data Science, Data Mining, Cloud Computing, Computer Architecture, Compilers, Artificial Intelligence, Probability, Software Engineering, Analysis of Algorithms/Data Structures.

Skills

Programming Languages: HTML5, CSS3, JavaScript, Python, C, TypeScript, Java, Bash, Shell Scripting, PHP
Libraries: NumPy, Pandas, Matplotlib, Vuex, Redux, NPM, jQuery, React.js
Frameworks: Vue.js, Adonis.js, Tailwind CSS, Bootstrap, PySpark, Node.js, Flask, Laravel, Django, Svelte
Software Tools & Techniques: Git, Docker, PyCharm, REST API, Postman, JSON, Figma, DOM manipulation, AWS, GitLab, UI/UX, Linux, Webflow, CI/CD, Webpack, Agile
Databases: MySQL, MongoDB, PostgreSQL, GraphQL, SQL, Redis, NoSQL

Experience

Cate AI   **Dec 2023 - Apr 2024**
Full Stack Engineer-Intern   *Austin, TX*
* Led front-end development with Vue.js, creating responsive interfaces that boosted user engagement by 20%. Contributed to system design and collaborated on defining UI/UX best practices.
* Engineered real-time data functionalities in PHP, enhancing data accuracy by 15% and overall system reliability through robust testing and optimization.

The University of Texas at San Antonio   **Jan 2023 - May 2024**
Computer Science Grader   *San Antonio, TX*
* Delivered detailed evaluations for computer science courses in systems engineering, web technologies, and cloud computing; fostered student performance through thorough code reviews and targeted feedback, using automation testing strategies to enhance code quality.

Tata Consultancy Services   **Aug 2021 - Aug 2022**
Software Engineer   *Hyderabad, India*
* Built and refined front-end interfaces using HTML5, CSS3, JavaScript, React.js, and Vue.js, achieving a 40% reduction in development time by leveraging reusable components and optimization strategies. Ensured applications were high-performing.Worked with RESTful APIs and explored emerging technologies to advance development practices.
* Established CI/CD workflows and integrated version control with Git, streamlining deployment processes and improving release efficiency. Collaborated with UX/UI designers and backend engineers to deliver high-quality solutions, engaging in code reviews to maintain standards.

Vihasta Solutions   **July 2020 - Sept 2020**
Junior Web Developer-Intern   *Hyderabad*
* Developed responsive web applications using HTML5, CSS3, and JavaScript, employing modern design techniques to achieve a 25% increase in user engagement. Gained practical experience with industry-standard tools.

Projects

Home Rental Management System | *Vue JS, Tailwind CSS, Adonis JS, Node JS, Postgres*
* Led the creation of a full-stack rental platform with a Vue.js frontend for a seamless single-page application, utilizing Tailwind CSS for a modern design. Developed a RESTful API with AdonisJS and Node.js, and integrated PostgreSQL for secure and scalable data storage. Enabled real-time updates and dynamic content rendering.
* Enhanced SEO and load times with server-side rendering (SSR) in Vue.js. Utilized Docker for environment consistency and integrated continuous testing practices and CI/CD pipelines to ensure robust and reliable deployments.

AI-Powered Image Generation Platform | *PHP, Laravel, OpenAI*
* Engineered an innovative image generation platform using PHP and Laravel, integrating OpenAI's API to produce unique images based on user prompts. Designed and implemented a robust backend system to manage user interactions and API communication, demonstrating expertise in advanced PHP development and AI technology.

Full Stack E-commerce Website | *Vue Js, Laravel, Pinia, Stripe, MySQL*
* Created a feature-rich e-commerce site with a Vue.js frontend and a secure Laravel backend. Integrated Stripe for seamless payment processing and utilized Pinia for state management, improving reliability and user experience.
* Architected microservices with Docker to scale components independently. Optimized backend performance using Laravel's advanced query and caching capabilities. Deployed CI/CD pipelines with GitLab for automated testing.

Music Streaming Application | *HTML, Javascript, Tailwind CSS, MySQL, Vuex, Axios*
* Designed a music streaming application using Vue.js for a responsive single-page experience and Tailwind CSS for modern design. Integrated Axios for efficient API interactions and Vuex for state management, ensuring a smooth user experience.
* Employed lazy loading and code-splitting to enhance performance and reduce initial load times. Implemented real-time data streaming with WebSocket for live music updates and user interactions.

Achievements

* Certified Oracle Cloud Infrastructure Generative AI Professional, August 2024.
* Computer Science Department Scholarship: Awarded for two years in recognition of academic excellence at UTSA.