

SAI TEJA

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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: JavaScript, TypeScript, PHP, Python, Java

Frontend Technologies: Vue.js, React.js, Tailwind CSS, Bootstrap

Backend Technologies: Node.js, Express.js, Laravel, Adonis.js

Databases: MySQL, PostgreSQL, MongoDB, Redis

APIs Cloud Services: RESTful APIs, GraphQL, AWS (EC2, S3, Lambda)

Core Concepts: Web Accessibility, Scalable Architecture, Performance Optimization, SDLC

Tools Platforms: Git, Docker, Jenkins, CI/CD Pipelines, NPM

Experience

Cate AI

Dec 2023 - Apr 2024

Full Stack Engineer-Intern

Austin, TX

- * Designed scalable web applications using Vue.js, improving system accuracy by 15% through real-time data integration.
- * Optimized deployment workflows with AWS and CI/CD pipelines, reducing deployment times by 30%.
- * Built robust RESTful APIs, enhancing system scalability and backend reliability by 30%.
- * Resolved production issues in a microservices architecture, cutting bug resolution times by 20%.

Tata Consultancy Services

Aug 2021 - Aug 2022

Software Engineer

Hyderabad, India

- * Delivered key features using JavaScript and React.js, improving web application usability and user engagement by 25%.
- * Reduced SQL query execution times by 10% through database optimization for large-scale enterprise applications.
- * Supported the implementation of automated testing strategies, increasing test coverage by 20%.
- * Collaborated with cross-functional teams to implement React.js features, increasing user engagement by 25% and reducing resolution times by 25%.

Bootstrap Guru

July 2020 - Apr 2021

Junior Software Engineer

Hyderabad, India

- * Created responsive web pages using HTML, CSS, and JavaScript, improving UI consistency by 20%.
- * Gained proficiency with Vue.js by building interactive components, improving functionality by 15%.
- * Worked closely with senior developers to resolve issues, reducing defect rates by 25% and improving overall code quality.

Projects

Home Rental Management System | *Vue JS, Tailwind CSS, Adonis JS, Node JS, Postgres, Java*

- * Architected a responsive single-page application (SPA) with Vue.js, achieving a 95% Lighthouse accessibility score.
- * Enhanced user engagement by 30% through real-time updates using WebSockets.
- * Built scalable backend microservices with Node.js, optimizing API performance by 20%.

Custom Freelancing Marketplace Platform | *React.js, Node.js, Express, MongoDB*

- * Engineered a component-driven frontend with React.js, ensuring seamless navigation and responsiveness.
- * Implemented secure user authentication with JWT, ensuring data privacy and system integrity.
- * Enhanced MongoDB schema, reducing query execution time by 25% and supporting multi-user environments.

Full Stack E-commerce Website | *Vue Js, Laravel, Pinia, Stripe, MySQL, Java, Php*

- * Designed a scalable e-commerce platform with a responsive Vue.js frontend and secure Laravel backend for handling core functionality and user interactions.
- * Integrated Stripe for secure payment processing to enhance usability.
- * Utilized Pinia for efficient state management, improving performance and user experience.
- * Developed an inventory management system using Laravel that provided real-time stock updates, enhancing order fulfillment accuracy.

AI-Powered Image Generation Platform | *PHP, Laravel, OpenAI API*

- * Developed a platform with PHP and Laravel, leveraging OpenAI's API for advanced image generation and implementing modern UI/UX principles for accessibility and seamless user interaction.

Music Streaming Application | *Vue.js, RESTful APIs, Tailwind CSS*

- * Engineered a responsive music streaming application using Vue.js, integrating RESTful APIs to enable real-time music playback, interactive playlist management, and personalized song recommendations. Leveraged Tailwind CSS to create an intuitive and modern user interface, enhancing user engagement and accessibility across devices.

Achievements

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