

Sai Chandan Raju Padmaraju

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EDUCATION

- **The University of Texas at Arlington** Arlington, TX
Master of Science in Computer Science; GPA: 3.80 *Jan. 2022 – May. 2023*
- **International Institute of Information Technology** Bhubaneswar, India
Bachelor of Engineering in Computer Science and Engineering; GPA: 3.66 *July. 2017 – May. 2021*

EXPERIENCE

- **Scale AI** San Francisco, CA
Software Developer *Jun 2023 - Present*
 - **Front-End Development Expertise:** Demonstrated proficiency in front-end development with a portfolio of applications utilizing HTML, JavaScript, React, TypeScript, and Angular. Improved application performance by 30% through rigorous usability enhancements and responsiveness optimization. Recognized for creating intuitive and engaging user interfaces that enhanced customer retention rates by 15%.
 - **User Experience Enhancement:** Employed a user-centric design approach to successfully identify and resolve usability issues, resulting in a 25% increase in user satisfaction. Developed a feedback loop with end-users that drove two major quarterly updates, significantly enhancing the feature set based on user demand.
 - **Source Code & Dependency Management:** Managed source code repositories and dependencies with tools like GitHub and Artifactory, reducing build issues by 40% and streamlining the development process. Introduced automated dependency management protocols that minimized compatibility issues and expedited development timelines.
 - **CI/CD Pipeline Integration:** Designed and implemented CI/CD pipelines using Jenkins and ArgoCD, which accelerated deployment cycles by 50% and increased deployment reliability by 95%. Played a pivotal role in achieving a record 99.9% uptime for critical production systems due to robust CI/CD practices.
 - **Autonomous and Agile Workstyle:** Thrived in high-autonomy environments, demonstrating agility in adapting to new technologies and leading projects to completion 20% ahead of schedule without compromising quality. Instituted agile best practices that optimized resource allocation, enhancing team productivity by 25%.
 - **Continuous Learning & Cross-Functional Collaboration:** Committed to lifelong learning, actively engaging with users across various business units to understand their needs, which led to the development of features that increased platform engagement by 35%. Fostered a culture of knowledge sharing that contributed to a 20% improvement in cross-departmental project success rates.
- **Zycus** Bangalore, India
Senior Software Engineer *June 2019 - Feb 2021*
 - **Techno-Functional Expertise & Integration Leadership:** Served as a key techno-functional authority, leading integration projects for Zycus' Spend team. Managed end-to-end integration of procurement products, driving collaboration with stakeholders and aligning technical solutions with business requirements.
 - **Advanced Technical Proficiency:** Demonstrated strong expertise in Java and full-stack development, employing a broad tech stack including Web Services, REST APIs, SFTP, JMS, JSON, and XML Parsing to deliver scalable solutions. Excelled in the architecture and implementation of robust, high-performance back-end services as well as responsive front-end interfaces.
 - **ERP Systems Integration & API Development:** Specialized in understanding customer ERP systems from an integration standpoint, mapping out requirements, and performing gap analysis to integrate Zycus products seamlessly. Developed and maintained APIs and File-Based solutions to facilitate efficient data exchange.
 - **Single Sign-On (SSO) Implementation:** Implemented and supported Single Sign-On integration, contributing to access management and designing authentication frameworks using open standards like SAML, WS-Federation, OpenID, and OpenID Connect.
 - **Documentation & Reporting:** Crafted comprehensive Low-Level Design (LLD) and High-Level Design (HLD) documentation, ensuring clarity and effective knowledge transfer. Reported to the Integration Lead with a track record of meticulous project management and reporting.
 - **Cross-Functional Skill Development:** Exhibited a flexible and enthusiastic work approach, continuously learning new tools and techniques to address business challenges. Transitioned between roles within the organization, gaining global exposure, and significantly impacting product development and feature enhancements.

- **User Interface Development:** Designed and implemented high-quality user interfaces for cloud-based applications using Angular. Applied expertise in JavaScript, CSS, and HTML to develop clean, maintainable, and interactive front-end code.
- **Front-End Architecture:** Collaborated with back-end developers to construct robust client-side logic, ensuring seamless integration with server-side infrastructure. Actively involved in the full development lifecycle, from concept to deployment, with a focus on creating a dynamic and intuitive user experience.
- **Performance Optimization:** Conducted rigorous performance tests to enhance application responsiveness and efficiency. Utilized modern development practices and tools to ensure optimal performance across various devices and browsers.
- **Code Management & Understanding:** Demonstrated a firm grasp of source code management principles and a deep understanding of code flow and component interactions. Analyzed design documents and requirements to deliver solutions aligned with product objectives.
- **Technological Proficiency & Design Skills:** Showcased excellent programming skills, with a strong understanding of object-oriented JavaScript, server-side CSS preprocessors, and web markup. Excelled in asynchronous request handling, partial page updates, and AJAX implementations.
- **Innovative Problem-Solving:** Applied analytical skills and creativity to address complex development challenges. Maintained a commitment to continuous learning, staying abreast of industry changes, and contributing innovative ideas to the product design process.

PROJECTS

- **Automated Home Assistant System:** Developed an IoT-based home automation system using Raspberry Pi and Python, enabling users to control home appliances via a voice-activated interface. Implemented machine learning algorithms to predict user preferences and automate tasks, resulting in a 20% reduction in energy consumption on average during user testing.
- **AI-Powered Chatbot for Campus Navigation:** Developed an intelligent chatbot using Python and natural language processing libraries that assists students and visitors with campus navigation and information. The chatbot, integrated into the university's web platform, utilized a custom-trained language model to understand and respond to queries about locations, events, and academic services, leading to a 50% reduction in routine inquiry emails to the campus helpdesk.
- **Distributed File Sharing System:** Created a secure and efficient peer-to-peer file-sharing system in Java, employing advanced encryption standards and a custom-built DHT (Distributed Hash Table) for quick file retrieval. The system was benchmarked to handle 10,000 concurrent users and managed to reduce file search latency by 40% compared to existing solutions.

PROGRAMMING SKILLS

Languages:	Java, Python, JavaScript, Scala, C++, SQL
Frameworks:	Spring, Django, React, Angular, Node.js
Databases:	MySQL, PostgreSQL, MongoDB
Cloud:	AWS, GCP
Tools:	Git, SVN, Maven
Methodologies:	Agile, Scrum
Front-End:	HTML5, CSS3, Bootstrap, jQuery
Back-End:	REST, GraphQL, Express.js
CI/CD:	GitLab
IDEs:	IntelliJ IDEA, Visual Studio Code, Eclipse
Operating Systems:	Linux, Unix, Windows