

Sai Narayana Shanmukh Ayyagari

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SUMMARY

Software engineer with a continuous learning mindset, focused on building reliable, user-friendly applications. Approaches development like leveling up in games - curious, iterative, and always seeking better solutions. Driven by a passion for problem-solving and a desire to improve performance, both in systems and personal growth.

EDUCATION

University of Texas at Arlington

M.S., in Computer Science

Aug 2022 – May 2024

Texas, United States

Jawaharlal Nehru Technological University

B.Tech., in Computer Science and Engineering

Aug 2018 – May 2022

Hyderabad, India

SKILLS

Languages: C, C++, Python, JavaScript, Java, TypeScript.

Frameworks & Tools: Node.js, Express.js, React.js, Docker, REST, Figma, Git, Linux, Salesforce Admin, Salesforce Development, Conga CPQ, Conga CLM, Lightning Web Components, Data Manipulation Language.

Databases: MySQL, MongoDB.

Relevant Courses: Design and Analysis of Algorithms, Data Structures, Web Development, Machine Learning.

PROFESSIONAL EXPERIENCE

Cloud AI Labs

Software Engineer

Dec 2024 – Present

Austin, TX

- Developed and maintained responsive web interfaces using modern frontend and backend technologies, improving UI by 25%.
- Integrated frontend components with backend APIs to display real-time data.
- Improved page load time by 43% (3.5s to 2s) using code splitting, lazy loading.
- Leveraged Git and Jira to manage version control and sprint planning, reducing integration issues by 30%.

Forsys Inc

Software Engineer Intern

Jul 2024 – Nov 2024

Austin, TX

- Rebuilt legacy dashboards using the MERN stack, reducing load time from 9s to under 2s, improving usability.
- Integrated Salesforce with CI/CD pipelines, cutting deployment time by 50% and increasing release success rates.
- Designed and configured Lightning Web Components (LWC), improving Salesforce UI responsiveness by 33%.
- Optimized Salesforce databases using **SOQL**, reducing query latency from 3s to 1s.

Stumagz

Junior Software Engineer

Feb 2020 – Aug 2020

Hyderabad, India

- Developed a **school management system** with real-time attendance and grade tracking, reaching 90% user satisfaction.
- Enhanced backend performance using Node.js and MongoDB, reducing API response time by approximately 32%.
- Wrote 100+ unit tests to ensure reliability and reduce bugs across code modules.
- Deployed applications on Heroku and managed MongoDB, with 99% uptime for scalable cloud deployments.

PROJECTS

[Wanderlust](#), React JS, Node JS, Bootstrap, MongoDB, Express JS, Cloudinary, Mapbox.

Web application that allows users to register, create and review campgrounds, upload images, and explore with interactive maps.

- Built user authentication and campground management system, enabling 100% secure CRUD operations for registered users, also integrated cloudinary and Mapbox, reducing image load time by 40% and enabling geolocation search across 100+ listings.

[Tour Vibes](#), React JS, Node JS, Bootstrap, MongoDB, Express JS.

A full-stack tour booking platform for users to browse and book tours, with admin access to manage listings, users, and bookings.

- Implemented role-based authentication and dashboards for users and admins, improving operational efficiency by 40%, designed and tested a responsive booking UI across devices, achieving 95% feature stability through cross-functional collaboration.

[Learniverse \(MSC-based Web Application\)](#), React JS, Node JS, Express JS, Bootstrap, MongoDB, WordPress.

An educational platform with role-based access for students, instructors, and admins, featuring AI chatbot and integrated blog.

- Created secure authentication and custom dashboards for each user role, improving user retention by 30% and led AI chatbot integration and coordinated blog updates with the team, cutting support queries by 50% and improving user engagement.

CERTIFICATIONS

- [Full Stack Web Development](#), Apna College
- [Salesforce Certified Administrator](#), Salesforce
- [Salesforce Certified Platform Developer I](#), Salesforce
- [ServiceNow Certified Administrator](#), ServiceNow
- [Java](#), HackerRank
- [C++](#), LearnCodeOnline