

Jayanth Sai Yarlagadda

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Profile

- Graduate student pursuing a Master's in Software Engineering at San Jose State University, specializing in cloud technology and software platforms.
- Detail-oriented and innovative software engineer with a strong foundation in cloud computing, DevOps, and full-stack web development.
- Passionate about designing scalable and efficient solutions, with hands-on experience in AWS, Ansible, and virtualization. Adept at problem-solving and continuously upskilling in emerging technologies to drive impactful solutions.

Skills

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|-------------------|-------------------|--------|------------|
| • C++ | • Python | • Java | • HTML |
| • CSS | • Java Script | • SQL | • DSA |
| • Problem solving | • Cloud Computing | • AWS | • React JS |

Projects and Publications

Efficient Task Offloading in Mobile Edge Computing

- Designed a framework for optimizing task offloading in mobile edge computing to enhance computational efficiency.
- Evaluated dynamic offloading strategies to balance latency, energy consumption, and resource allocation.
- Developed a simulation model to analyze offloading decisions and their impact on system performance.
- Led the design and implementation of a user-friendly interface and database for managing task scheduling and execution.

Secured Data Access and Search Framework for E-Healthcare Systems

- Pioneered a framework for secure sharing and encrypted search of Personal Healthcare Records (PHRs).
- Evaluated Delegateable Searchable Symmetric Encryption schemes to optimize data handling and privacy preservation.
- Architected a comprehensive healthcare portal wherein I led frontend design and database implementation.

Chitkara, Grocery Website

- Developed a responsive online grocery shopping website using HTML, CSS, and JavaScript.
- Focused on frontend development to ensure an intuitive and visually appealing user interface.
- Implemented product listings with image integration via URLs for seamless browsing.
- Collaborated in a team to enhance functionality and improve user experience.

Pizza Bot, Chatbot using AWS LEX

- Developed a chatbot utilizing AWS LEX for a pizza delivery website, streamlining customer interactions and order processing.

Dripstore, E-commerce website

- Designed frontend architecture and implemented frontend for the application.

Hackathons

Bug Byte League Hackathon

- Took part in a coding competition to debug, find and fix bugs.

Apr 2023

Coding Ninjas Hackathon

- Participated in problem solving contest conducted by Coding Ninjas.

Apr 2022

Courses and Certifications

- Google Cloud Fundamentals :core infrastructure [↗](#)
- Amazon DynamoDB [↗](#)
- AWS IOT core using industry grade microcontroller [↗](#)
- AWS academy Cloud Architecting [↗](#)
- AWS academy Cloud Practitioner [↗](#)
- AWS Cloud Virtual Internship [↗](#)
- AWS academy Cloud Foundations [↗](#)
- Matlab Onramp [↗](#)

Organizations

Directorate of Student Affairs – SRM Institute of Science and Technology

- Served as the **Committee Head of the Treasury Committee**, managing budgets, financial planning, and fund allocation for major college events.
- Acted as a **Member of the Sponsorship Committee**, securing partnerships and funding from external organizations to support university events.
- Played a key role in organizing **Milan**, one of the largest college festivals in South India, along with various other university events.
- Collaborated with cross-functional teams to ensure smooth event execution, financial transparency, and effective sponsorship engagement.