SASANK REDDY

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EDUCATION

SAN DIEGO STATE UNIVERSITY, MS in Computer Science   June 2026

- **Coursework:** JAVA, Analysis of Algorithms, Data Structures, Operating Systems, Database Management Systems, Computer Networks, Software Engineering, Machine Learning, Artificial Intelligence, Data Science

SKILLS

- **Programming:** Java, Python, JavaScript, HTML/CSS, SQL, Node.js, React.js
- **Tools:** Data Structures and Algorithms, DevOps, Web development, OOPS, Docker, Jenkins, Ansible, Kubernetes, REST APIs, Microservices, Continuous Integration and continuous delivery (CI/CD), Terraform, AWS, GCP.

EXPERIENCE

PUBLICIS SAPIENT   Bengaluru, India
Software Development Engineer   Jan 2024 – Aug 2024

- **SUSTAIN ENTERPRISE PROJECT(STEP)**, an internal development of publicis sapient aimed at automating and optimizing the workflows of support engineers.
- Containerized MongoDB storage services for the STEP project using Docker.
- Migrated and deployed Kubernetes clusters of STEP from AWS EKS to GCP GKE.
- Created terraform scripts to enforce Kubernetes role-based access control (RBAC), restricting team member access to specific clusters and actions.
- Automated the extraction and conversion of service maps from various client environments into a standardized format using custom scripts and integration tools.

HITACHI VANTARA   Bengaluru, India
Application Engineer Intern, DevOps   Jan 2023 – Aug 2023

- Trained on DevOps tools i.e. Docker, Kubernetes, Terraform, and Jenkins, Ansible for efficient CI/CD.
- Hosted applications with AWS services, including AWS EC2 and AWS S3 buckets, under professional guidance.
- Designed and deployed web applications using the Spring framework, following DevOps practices.

PROJECTS

Moto-Manager: Vehicle fleet and Rental services   View Project
Individual

- Developed a comprehensive Vehicle Management System, empowering users to efficiently manage fleet operations and access rental services.
- Containerized web application and Implemented a Jenkins pipeline that automates code updates, pushing to the code repository and deploying changes seamlessly.

Emotion Recognition using Machine Learning   View Journal
Team leader

- Implemented Python and machine learning algorithm CNN, for facial expression recognition. Leveraged these techniques to enhance child engagement in virtual learning environments. Achieved accuracy of 87 Percent. Published research papers in the international Journal of Innovative Research [October,2023]

WanderWell: Travellers Community   View Project
Individial

- A microservice-based web app for trip planning and coordination, serving both individual and group travelers to schedule trips, find companions, manage accommodations, and track expenses.
- Built using microservices architecture with REST APIs, containerized microservices on Dockerhub. Designed Jenkins pipeline for automated code integrations and continuous deployment.

AWARDS AND LEADERSHIP

- **BEST PROJECT AWARD** by Publicis Sapient for developing a Vehicle Management System in training period, distinguished for end-to-end CI/CD implementation and automated incident creation in ServiceNow
- Positions of Responsibility: GitHub Campus Expert (1 of 88 students globally), President of Entrepreneurs' Club GITAM (India); Microsoft Learn Student Ambassador