

## Education

**SAN DIEGO STATE UNIVERSITY**, MS in Computer Science

Aug 2024 – Jan 2026

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

## Technical Skills

- **Tools:** Java, Python, SQL
- **Technologies:** : Data Structures and Algorithms, DevOps, OOPS, Docker, Jenkins, Ansible, Kubernetes, API, Microservices, Continuous Integration and continuous delivery (CI/CD), Terraform, MongoDB, AWS EKS, GCP GKE, Web applications.

## Experience

**Software Engineer**, PUBLICIS SAPIENT, INDIA

Jan 2024 – Aug 2024

- Led the way in creating the microservices design, which improved scalability and modularity by utilizing OOP concepts. REST APIs were put into place to enable smooth communication between microservices, centralized service discovery and managed API traffic by using an API gateway and service registry.
- **SUSTAINENTERPRISE PROJECT** Contributing the development of Sustain Enterprise project at Publicis Sapient, an innovative internal project aimed at automating and optimizing the workflows of support engineers
- Involved in deploying, managing and migration of Kubernetes clusters from AWS EKS to GCP GKE ensuring scalability, reliability and optimal performance enhancing the cloud infrastructure. Configured Kubernetes RBAC using roles, role bindings, and cluster roles to manage and restrict IAM user access across namespaces and clusters, utilizing Terraform and Kubernetes API.

**DevOps Intern**, HITACHI VANTARA, INDIA

Jan 2023 – Aug 2023

- Designed strong continuous integration/continuous delivery (CI/CD) pipelines with Jenkins to automate software deployment, reduce human error, and speed up release cycles.
- Made use of Docker to containerize applications, maximizing scalability and deployment effectiveness in a variety of settings. Container orchestration using Kubernetes.
- Used Ansible to implement infrastructure as code, enabling effective and uniform configuration management across environments. Gained practical experience with cutting-edge DevOps techniques and tools.

## Projects

**Moto-Manager: Vehicle fleet and Rental services**

[View Project](#)

- Designed and developed a comprehensive Vehicle Management System, empowering users to efficiently manage fleet operations and access rental services, employing microservices architecture to enhance service isolation.
- Implemented end-to-end continuous delivery pipelines using CI/CD tools, ensuring seamless deployment and updates for enhanced user experience.

**Emotion Recognition using Machine Learning**

[View Journal](#)

- Implemented Python and machine learning algorithms, including CNN, for facial expression recognition and analyzing online activities. 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](#)

- A microservice architecture based web application Wander Well is a trip planner and coordinator which offers the users to plan and organize trips. The platform serves both individual and group travelers in finding companions, allowing users to schedule or register to a trip, manage accommodations and expenses.

## Awards and Achievements

**BEST PROJECT AWARD** for vehicle management system developed during training period at Publicis sapient. Distinguished as the only project to implement end-to- end continuous delivery using DevOps CI/CD practices and pioneering the implementation of automated incident creation in ServiceNow, enhancing operational efficiency and incident management capabilities.