

# LAKSHMI SRI NITYA SUNKARA

San Jose, CA | +1 925-913-0940 | [nityasunkara002@gmail.com](mailto:nityasunkara002@gmail.com) | [linkedin.com/in/nitya-sunkara-](https://www.linkedin.com/in/nitya-sunkara-)

## SUMMARY

Adaptable problem solver with exceptional organizational abilities and a collaborative team spirit, currently looking for summer 2024 internships.

## EDUCATION

### Masters, Software Engineering

May 2025

San Jose State University (SJSU), San Jose, California.

### Bachelors, Computer Science and Engineering

May 2023

Pragati Engineering College (PEC), Kakinada, Andhra Pradesh, India.

GPA: 3.97 / 4.00

## TECHNICAL SKILLS

- Programming Languages: Python | Java | C | Ruby
- Databases: SQL | PostgreSQL
- Cloud Services: Google Cloud | AWS
- Web Development: HTML | CSS | Bootstrap | JavaScript | React.js | User Interface & User Experience (UI/UX)
- QA and Testing: Manual Testing | AI Software Testing | Quality Assurance | CI/CD | Test Documentation | Jira
- Additional Skills: Debugging | Performance Optimization | Troubleshooting | Bug Fixing | Agile Methodologies | Software Development Life Cycle | Git | Microsoft Visual Studio | Azure DevOps | Postman | Redux

## WORK EXPERIENCE

### Software Engineer Intern, Osmosys, Hyderabad, Telangana, India

Mar 2021 - Aug 2021

- Collaborated on project planning and conducted case studies to optimize resource allocation and task prioritization, ensuring timely project completion.
- Collaborated on project planning, leveraging SQL expertise to optimize database structures and queries, ensuring efficient data retrieval and manipulation.
- Demonstrated problem-solving skills by effectively debugging and troubleshooting code issues in HTML, CSS, JavaScript, and ReactJS to ensure seamless functionality and user experience.

## PROJECT EXPERIENCE

### MOVIE THEATRE CLUB APPLICATION, SJSU, Java, PostgreSQL, JavaScript

Dec 2023

- Integrated web and mobile UI with RESTful APIs, ensuring real-time data updates and smooth user interactions.
- Implemented role-based access control, allowing different levels of access and functionality for Members, Non-Members, and Theater employees.
- Deployed the application and database on AWS cloud platform to ensure high availability and scalability.

### UBL SCHEME FOR PRESERVING LOCATION PRIVACY, PEC, HTML, CSS, JavaScript, Python

Apr 2023

- Designed a HTML5 website with a user-centric location selection feature based on geographic preferences.
- Created a location privacy metric, assessed anonymity levels within user sets, improving privacy measures.
- Balanced user location data protection with valuable location-based service delivery, employing encryption, access controls, and consent mechanisms.

### IMAGE SEGMENTATION USING MACHINE LEARNING, PEC, Python, Machine Learning, MySQL

Dec 2022

- Created a real-world application using python to perform image segmentation.
- Applied Mask R- CNN for pixel-level image segmentation, achieving precise object delineation in complex images.
- Identified objects in images through color region differentiation, improving image analysis and recognition.

## CERTIFICATIONS

- Programming Essentials in Python, Python Institute
- Data Analytics with Python, NPTEL
- Introduction to Digital Marketing, Great Learning Academy
- From Data to Insights with Google Cloud Specialization, Coursera
- Introduction to Cybersecurity and Networking essentials, Cisco Networking Academy

## STUDENT LEADERSHIP

- Team leader: Led a team in an academic project focused on User-based location selection scheme.
- Coordinator: Managed and coordinated college's technical event "App Expo" during under-graduation.