

NIKHIL GOVINDARAJU

Los Angeles, CA | (509) 957-3622 | ngovinda@usc.edu | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

MSCS student at USC and impact-driven full-stack engineer with experience delivering scalable React frontends and FastAPI/PostgreSQL backends across AWS. Focused on building secure, cloud-native systems with real-world product impact. Actively seeking SDE co-op opportunities for Fall 2025 and full-time roles starting Jan 2026, with a long-term goal of growing into a technical leadership role.

EDUCATION

University of Southern California, Viterbi School of Engineering

Los Angeles, CA

MS in Computer Science, GPA: **3.78/4.0**

Jan 2024 - Dec 2025

Coursework: Algorithms, Database Systems, Web Technologies, Information Retrieval, ML for Data Science, Applied Cryptography

JSS Science and Technology University

Mysore, India

B.E in Information Science and Engineering, GPA: **9.01/10.0**

Aug 2017 - July 2021

Coursework: Data Structures, Data Mining, Operating Systems, Software Engineering, Distributed Computing, Computer Networks, Computer Organization

SKILLS

Languages: Python, JavaScript (ES6+), TypeScript, C, Swift, Dart, HTML5, CSS3

Frontend: React.js, AngularJS, Bootstrap, Flutter, SwiftUI, UIKit

Backend: Node.js, Express.js, Flask, FastAPI, RESTful APIs, GraphQL

Cloud & DevOps: AWS (EC2, S3), Google Cloud Platform, Oracle Cloud Infrastructure, Docker, Git, CI/CD, GitHub Actions

Databases: MongoDB, MySQL, PostgreSQL, Cloud Firestore, Firebase

PROFESSIONAL EXPERIENCE

Jubilant HollisterStier LLC

Spokane, WA

Software Engineering Intern

May 2025 - Present

- Leading development of a full-stack **workforce analytics tool** using the **MERN stack**, enabling task and location data capture from production workers and powering real-time dashboards for business decision-making.
- Designed **RESTful APIs** and **MongoDB schemas** for structured data ingestion and role-based querying, enhancing backend scalability and frontend data access.
- Assisting in **optimizing SQL queries** and redesigning legacy schemas with DBAs to improve performance and ensure high availability through **automated backups and recovery protocols**.

Exinous Technologies India Pvt Ltd

Mysore, India

Software Development Engineer

Sep 2022-Nov 2023

- Designed and optimized the Navipoint Health web platform using **React.js**, delivering a **fully responsive**, accessible UI and improving load time by 40% across devices. Developed and refactored the company's main website, **enhancing performance, maintainability, and user experience** across multiple components
- Engineered **modular, reusable components** in Vue.js and TypeScript for a client-facing ERP system, reducing front-end maintenance overhead by 30% and enhancing user experience.
- Automated UI test suites with Cypress and validated backend APIs using Postman, resulting in a **75% reduction in QA turnaround time** and improved test coverage across critical user flows.

Bosch Global Software Technologies

Bangalore, India

Associate Software Engineer

June 2021-Sep 2022

- Developed automation tools in **Python** and **Shell** for embedded Linux systems, **reducing manual validation time by 40%** and improving issue detection in products like the wall scanner D-tect 200.
- Integrated automated testing into **CI pipelines** using GitLab, SVN, and Codebeamer, leading to a **20%** drop in production defects and faster deployment cycles.
- Spearheaded Bosch's university engagement as a **Campus Ambassador**, increasing student participation in technical outreach events by 3x over one semester.

PROJECTS

Realtime Weather Monitoring Application (*Scalable Location-Based Weather Analytics Dashboard*)

Angular · Node.js · Express · MongoDB · Swift · UI Kit · HighCharts · Tomorrow.io API · Google Geocoding API · Google Cloud

- Developed a real-time, geo-personalized weather analytics platform using **Tomorrow.io** and **Google APIs**, delivering interactive forecasts to 1000+ users with less than **300ms response latency**.
- Engineered a responsive web interface and integrated MongoDB for **structured weather data** storage, reducing API call redundancy by 40% and improved speed.
- Deployed a synchronized iOS app using Swift + UI Kit with RESTful backend sync and deployed the full system on Google Cloud with **99.9% uptime** and **high scalability**.

Secure EHR AI (*AI-Powered Cloud-Based Health Records Platform*)

React · FastAPI · PostgreSQL · Redis · AWS · Docker · OpenAI API · Supabase

- Developed a secure EHR platform with role-based access, **AES-256** encryption, and **Redis caching**, reducing API latency by 50%.
- Integrated a **GPT-powered chatbot** with **dynamic FAQs** from Supabase to assist users, boosting engagement by 60% in pilot tests.
- Deployed to AWS (EC2, RDS, S3, Cognito) with **Dockerized CI/CD** and immutable audit logs, achieved near-zero downtime across staging platform.

Route It (*Cross-Platform Smart Travel Recommendation System*)

Flutter · Dart · Firebase · Cloud Firestore · Google Maps API

- Built a travel assistant app with **real-time route optimization**, improving ETA **accuracy by 35%** using Google Maps API.
- Integrated Firebase Auth and Firestore for **real-time multi-device sync**, reducing sync lag by **50%**.
- Added push notifications and offline caching, boosting user **retention by 2.3x** in usability testing.

CERTIFICATIONS

AWS Cloud Practitioner | OCI AI Foundations | ML & AI by NASSCOM | Certified Scrum Master