

NIKHIL GOVINDARAJU

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Master’s student in Computer Science at USC with hands-on experience developing responsive web and mobile applications, integrating APIs, and deploying cloud-based services. Skilled in building full-stack features, writing clean and maintainable code, and contributing to fast-paced development cycles. Looking to create scalable, high-quality software solutions as part of a forward-thinking engineering team.

EDUCATION

University of Southern California, Viterbi School of Engineering	Los Angeles, CA
Master’s of Science in Computer Science [GPA: 3.67/4.0]	Jan 2024 - Dec 2025
Coursework: <i>Analysis of Algorithms, Database Systems, Web Technologies, Information Retrieval & Web Search Engines, ML for Data Science, Applied Cryptography</i>	
JSS Science and Technology University	Mysore, India
Bachelor of Engineering, Information Science and Engineering [GPA: 9.01/10.0]	Aug 2017 - July 2021
Coursework: <i>Data Structures, Data Mining, Operating Systems, Software Engineering, Distributed Computing, Computer Networks, Computer Organization & Architecture</i>	

SKILLS

Languages: Python, JavaScript (ES6+), C, Swift, Dart, HTML5, CSS3
Frontend: React.js, Vue.js, Angular, Flutter, SwiftUI, UIKit
Backend: Node.js, Express.js, Flask, Firebase, RESTful APIs, GraphQL
Cloud & DevOps: AWS (EC2, S3), Google Cloud Platform, Oracle Cloud, Docker, Git, CI/CD, GitHub Actions
Databases: MongoDB, MySQL, PostgreSQL, Cloud Firestore, Firebase
Machine Learning: Scikit-learn, Pandas, NumPy, Matplotlib, Classification & Regression, Model Evaluation, Feature Engineering
Soft Skills: Critical thinking, proactive problem solving, adaptability in dynamic environments, initiative-driven mindset.

PROFESSIONAL EXPERIENCE

<u>Exinuous Technologies India Pvt Ltd - Software Development Engineer</u> (Sep 2022-Nov 2023)	Mysore, India
• Built and optimized the Navipoint Health website using React.js , focusing on performance, accessibility, and responsive design to deliver a clean, scalable front-end for a healthcare technology platform.	
• Developed and refactored the company’s main website , enhancing performance, maintainability, and user experience across multiple components. Developed dynamic, reusable front-end components using Vue.js and TypeScript for a client’s ERP system, improving interface responsiveness and enhancing overall user experience and functionality.	
• Validated RESTful API endpoints using Postman and contributed to daily Scrum practices; leveraged Git for version control and CI.	
• Automated functional test cases using Cypress , improving diagnostic efficiency by 50% and reducing QA cycles by 75% .	
<u>Bosch Global Software Technologies - Associate Software Engineer</u> (June 2021-Sep 2022)	Bangalore, India
• Developed and automated test scripts using Python and Shell for Linux-based embedded systems, including Bosch’s D-tect 200 wall scanner, leading to a 20% reduction in code vulnerabilities by identifying and documenting critical defects through tools like Pytest , GitLab , SVN , and Codebeamer .	
• Served as a Bosch Campus Ambassador , promoting company initiatives and strengthening university engagement through technical outreach and brand representation .	

<u>Robert Bosch Engineering and Business Solutions - Project Trainee</u> (March 2021-June 2021)	Bangalore, India
• Designed and executed automation tests for the Android mobile application Bosch MeasrOn App using Java , leveraging tools such as Appium , Maven , Android Studio , and UI Automator	

PROJECTS

<u>Realtime Weather Monitoring Application (MEAN Stack and iOS App Development)</u>
• Engineered a responsive web application using Angular and TypeScript frontend with Node.js/Express backend, integrating MongoDB for data persistence and real-time weather monitoring and location services, featuring interactive weather visualization using HighCharts.
• Developed a complementary native iOS mobile application using Swift and UIKit , implementing location-based services and weather data visualization, with RESTful API integration for seamless data synchronization with the web platform.
<u>Secure EHR Audit Logging System</u>
• Developed a full-stack , web-based logging system for electronic health records using Flask , Python , HTML/CSS , Bootstrap , and Jinja2 .
• Integrated cryptographic security with RSA for digital signatures , AES-128 for log encryption , and hash chaining for tamper detection , session-based login and role-based access control for auditors, doctors, and patients.

<u>Route It, Smart Travel Recommendation System</u>
• Architected a scalable cross-platform mobile and web application using Flutter and Dart for the frontend, implementing real-time route optimization algorithms and integrating Google Maps API for location services, with Firebase Authentication for secure user management. Implemented a distributed backend system using Cloud Firestore , enabling real-time data synchronization across devices, push notifications for travel updates, and efficient data caching for offline functionality.

CERTIFICATIONS

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