SAHANA SUDHAKARA

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EDUCATION

Santa Clara University GPA: 3.7, *Santa Clara, CA*

Master of Science, Computer Science and Engineering.

- Relevant course work : Distributed Systems,Artificial Intelligence, Machine Learning,Object Oriented Analysis

Dr. Ambedkar Institute of Technology GPA: 3.94, *Bangalore, India*   June 2014 - June 2018
Bachelor of Engineering in Electronics and Communication

SKILLS

- **Programming Languages:** Java, Kotlin, C#, Python, Javascript, Typescript
- **Mobile Development:** Android, Flutter
- **Web Development:** Angular, ASP.NET REST API, Spring framework, Spring Boot Tools, Node.js, Express.js
- **IDEs:** Visual Studio, IntelliJ, Eclipse, Android Studio, Git, SVN
- **Testing Frameworks:** JUnit, Mockito, xUnit **; Database:** SQL Server,Mongo Db
- **Other Tools:**AWS, Jenkins, Docker, Gradle, PCF, Splunk, Kubernetes, Postman

EXPERIENCE

Santa Clara University   Present

Software Developer -Backend, Flutter,*Santa Clara, CA*

- Designed and implemented the GDSC UniConnect project, focusing on connecting students for tutoring and academic support using Node.js backend and Flutter development.
- Contributed to the backend systems for GoodBuys, a social justice application promoting ethical practices.

Thoughtworks   Sep 2021 - Aug 2022

Software Development Engineer I- Android, *Bangalore, India*

- Successfully implemented several features in MVVM architectural pattern for Standard Chartered Bank, Singapore.
- Implemented Jetpack Compose functions within the app, enhancing user interface responsiveness and elevating the overall user experience.
- Developed a robust network layer using Kotlin Coroutines to ensure efficient and secure data communication, improving app performance and reliability.
- Strengthened app foundations with unit tests using JUnit and Mockito, and instrumentation unit tests with Espresso.
- Mentored junior engineers on team, aiding in professional development and overall contribution to team

Cognizant Technology Solutions   Sep 2018 - Sep 2021

Software Development Engineer I- Backend, *Bangalore, India*

- Led the effort to revamp the legacy codebase of Traveler's insurance application, resulting in a 40% improvement in application scalability through the migration to micro services.
- Leveraged Pivotal Cloud Foundry to optimize deployment and integrated Swagger for API documentation, ensuring faster releases and enhancing developer collaboration.
- Developed an Angular-based web tool that streamlined premium calculations by directly fetching data from a micro service, earning praise from clients and team.
- Boosted application performance by 25% through targeted optimization of database queries in a complex data retrieval scenario.

ACADEMIC PROJECTS

GDSC solution challenge 2024-Safe Spot App(Android Jetpack Compose-MVVM, Kotlin)

- Utilized Jetpack Compose and Firebase to develop an Android application that provided proactive safety instructions for areas in the city.
- Harnessed machine learning models and pattern recognition algorithms to predict overall safety scores for cities and display the data in interactive native maps.

Inrix Hackathon 2023(Flutter,AWS, GoLang for backend)

- Developed a sleek, cross platformed community based traffic and navigation application called CarGoGo using Flutter.
- Contributed to scalable backend services and APIs using Go, leveraging concurrency features to optimize performance and enhance system reliability.

Bay Area Event Notification System: Utilizing Pub/Sub Model(Java, Docker)

- Engineered a distributed publisher/subscriber system for real-time event updates in the Bay Area using Java, implementing leader election and the Raft consensus model, and utilizing Docker for hosting nodes and simulation.