MADHUMITHA LOGANATHAN   Ph: 408-220-5921

Email: gctmadhumitha@gmail.com
LinkedIn: http://www.linkedin.com/in/madhumithaloganathan

Summary
- 14+ years of software development experience including developing iOS mobile apps, Web apps using Java/J2EE, front-end UI development in JavaScript.
- 5+ years into iOS app development with proficiency in Swift.
- Looking to rejoin work after a planned career break for family caregiving.
- Senior Software Engineer at Innovation and Advanced Technology Group at **Intuit, Mountain View, CA.**
- GTA, GRA and web developer at Kansas State University.
- Senior Java developer at Goldman Sachs, Bangalore.
- Asst. Systems Engineer in Tata Consultancy services and worked with global clients British Airways, AMEX and Target.
- Presented my work to Intuit's top executives, the CEO, CTO, CIO, and COO, and was recognized with awards.
- Showcased my work on Emotion AI at GraceHopper conference and at several Intuit's Internal conferences.
- Independent, resilient, customer focused, team member, always open to new challenges.

Technical Skills
- iOS - Swift, (UIKit , MVC, MVVM, Push Notifications, Localization, Dynamic Fonts, Cocoapods, Analytics, Crashlytics, TestFlight, XCode)
- Other: Jira, Trello, Github, Core Java, RestEasy, JSP, Struts, XML, JAXB, JavaScript, JDBC, HTML, Ajax, Angular, JQuery, NodeJS, JQueryMobile, Ajax, Freemarker, JSON, HTML5, CSS, Eclipse, Android Studio

Education
- Master of Science, CS - Dec '2011 - Kansas State University [3.89 /4.0]
- Bachelor of Engineering - Computer Science and Engineering, (2001- 2005)
           Government College of Technology, Anna University (81%)

Work Experience - *Aug 2005 - Feb 2021*

Senior Software Engineer - Innovation & Advanced Technology group, Intuit, MountainView
(Feb 2012 – Feb 2021)
- SideWalk - Developed an iOS application aimed at aiding consumers in finding and promoting local businesses through a network of trusted friends and family. Took charge of the iOS app development, collaborating with the third-party company Flyplist and conducting a thorough assessment of their APIs. Incorporated various functionalities including an activity feed, communication platform, business identification, favorites,

and seamless integration with Intuit's Mint's backend APIs. Multiple iterations of the app were developed and tested with hundreds of users throughout the development journey.

- StoryTeller - Designed and built the StoryTeller iOS library for adding widgets into QuickBooks Mobile and QuickBooks Self-Employed mobile apps. This project involved the creation of a no-code/low-code system for visually crafting user experiences that appear within Intuit's mobile applications. I collaborated and coordinated with multiple teams and leveraged various UI component libraries and frameworks developed internally at Intuit, delivering high quality code. Additionally, I conducted gap analysis and partnered with the Intuit team and enhanced their component library.

- Emotion AI - Developed an iOS app with an avatar interface that dynamically alters its facial expressions in response to detected emotions, employing expressive SSML, the MotionPortrait SDK, and integrating TTS & STT APIs. Created another app for demonstrating emotion detection and synthesis in customer care using voice-based emotion detection and speech diarization from QuickBooks audio recordings. Presented at Intuit's QuickBooks Connect and Facebook's @Scale conference, and my proposal on emotion technologies was featured at GHC 2018.
  https://medium.com/intuit-engineering/how-to-make-empathetic-bots-with-emotion-technology-e61fdc0a3309

- Ambient Technologies - I played a pivotal role in exploring Ambient Intelligence and bringing innovative concepts to life. This included crafting a voice-responsive smart lamp using Raspberry Pi, sensors, voice tech, Dialog flow, Intuit APIs, AWS Lambda, Android Things, and more. I presented this project to Intuit's top executives, the CEO, CTO, CIO, and COO, and was recognized with cash awards. # Smart Lamp

- Intuit Business Directory - As a front-end developer, I launched the Reputation Scorecard feature for businesses in Intuit's Business Directory web portal. I also collaborated with the backend team to create APIs for connecting consumers with businesses and other consumers to gather real feedback. This integration was extended to DemandForce, an Intuit-acquired product.

QuizQuester - Released an iOS trivia app named "QuizQuester" on the App Store. This Swift application engages users in quizzes sourced from trivia and facts APIs, and It incorporates ChatGPT integration to furnish users with responses to their inquiries.
https://apps.apple.com/us/app/quizquester/id6467683850
https://github.com/gctmadhumitha/iOS/tree/master/Apps/iQuest

Graduate Research and Teaching Assistant & Web Developer   (Dec 2010 – Dec 2011)
Created a Java Swing application featuring an interactive user interface, which was designed to collaborate with sensor network technology for remotely monitoring room temperature. Additionally, I served as a Web Application Developer for K-State Safe Zone.

Software Developer Intern - Intuit Inc, San Diego   (May 2011 - Aug 2011)

Developed an NLP compiler that automatically generates code from the worksheet sentences for Turbo tax.

Senior Software Developer - Goldman Sachs Services Pvt Ltd.   (Feb 2010 - Jun 2010)
As a consultant, I played a key role in developing a web application designed to automate the provisioning of network switch ports through a request execution system. My responsibilities encompassed UI design, web and service layer development, conducting integration testing, and overseeing the product's implementation.

Assistant Systems Engineer, Tata Consultancy Services, India   (Aug 2005 - Jan 2010)
1. Client: Amex Corp, United States
    a. Java Development for Direct Debit Phase II, module.
2. Client: British Airways, United Kingdom
    a. Standalone Java apps for British Airways' Meal Forecasting Module, QA engineer for Dynamic Packaging project.
    b. Worked at the customer location at New Castle, United Kingdom
3. Client: Target Corporation, United States
    a. Application Support Engineer for the Info-Retriever application, focusing on handling system change requests and implementing enhancements to improve functionality.