

SREEJITH MENON

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iOS Software Engineer

Master's in CS (ML specialization) with 8+ years industry experience. Expert in iOS (6+ years), with prowess in Objective-C, Swift, UIKit, SwiftUI, & Core Animation. Proficient in integrating ML with UI. Demonstrated capability in agile, app design, testability, & cross-functional collaboration. Adept in architecting scalable iOS solutions.

Overview:

- Deep passion for coding, engineering, and building solutions, including highly intelligent product features.
- Excel in learning new, complex concepts and technologies quickly, incorporating learning into design work.
- Interact effectively with team members from a variety of cultural backgrounds and levels of experience.
- Success in delivering world-class user experiences to over 100 companies across 3 continents.

Selected Technology Skills:

Objective-C · Swift · UIKit · SwiftUI · Core Animation · XCTest · XCUITest · iOS SDK · Multithreading · ML Integration · Core Graphics · API design · Unit Testing · Agile · Source Control · Documentation

PROFESSIONAL EXPERIENCE

INVENTO ROBOTICS – 2017-Present (*Producer of robots for seniors with cognitive issues to provide safety and companionship-related services; robots in the senior's home provide an avatar for remote nurses 24x7. The company additionally produces service robots for banks, malls, and events.*)

Consultant iOS Developer (2021-Present)

Currently working as a Consulting Engineer for Invento Robotics in the U.S. (Austin, TX location).

- **Architected 5+ iOS apps**, enhancing user experience by 30% & improving app ratings from 3.5 to 4.7 stars.
- **Collaborated with cross-functional teams** on 10+ projects, delivering features 15% ahead of deadlines.
- Drove a 40% increase in app performance via optimal code practices in **Objective-C & Swift**.
- **Spearheaded AB experimentation**, yielding a 25% uplift in user engagement.
- **Designed & implemented key UI components**, reducing app load times by 20% using **UIKit & SwiftUI**.
- **Introduced XCTest/XCUITest**, cutting down bug reports by 60% & ensuring robust app quality.
- **Optimized client code**, accelerating feature deployment velocity by 35%.
- **Led training sessions for 50+ developers**, promoting best practices in iOS development & enhancing team efficiency by 20%.
- **Played a pivotal role in ML integration**, personalizing user interactions & improving retention rates by 18%.
- **Maintained 99.9% app uptime**, handling millions of daily sessions by effective **multithreading & memory management**.
- **Utilized Core Graphics & Core Animation**, elevating app visuals leading to a 15% increase in user session durations.

Lead iOS Developer (2017-2021)

Hired to work on the mobile app side of product development, starting in Android and migrating to iOS within a few months (joined the core founding team). Architected verticals for Medical Diagnosis & Healthcare, Customer Support Queries, Banking & Personal Finance, Insurance Pricing, Retail Automation, and Visitor Management System. Derived insights on users' prevailing subjective opinions using Google Sentiment Analysis.

- **Contributed significantly to robots that were deployed in 100+ companies** (across 3 continents) and featured in multiple international media outlets such as CNN, Forbes, and The Guardian.
 - **Showcased the robot to Indian Prime Minister Narendra Modi and WH advisor Ivanka Trump** at the Global Entrepreneurship Summit 2017 and Consumer Electronics Show 2019 (Las Vegas, NV).
- **Achieved 97.5% accuracy in embedding Microsoft Real Time Multiple Face Recognition**, as well as 80% accuracy in designing and integrating a Google multilingual, 30+-language, contextual NLP model and 95.6% accuracy in adding the capability for Human & Face Detection with integrated tracking.
- **Built the entire framework for the upgrade from Swift to SwiftUI.**
- **Applied Vision algorithms for addressing Object Localization and Recognition tasks**, resulting in expedited processing of 155 frames per second.
- **Created the Human Pose and Hand Pose Estimation with the Apple & Google Vision framework**, achieving an average percentage of correct parts at 0.61.
- **Performed OCR and Text Detection with Google Cloud Platform** in natural scene images capable of running at approximately 13 FPS on 720p images.
- **Used the Apple and Google Speech Recognition framework on over 30 languages**, resulting in national accessibility. Additionally, incorporated the Apple Speech Synthesis Neural Audio Generation model that reached the human level.

BITNOMIX LABS – 2016-2017 (*Multi-service startup company with 10 employees.*)

Senior Android Developer

Joined the Android team to build Android apps, along with contributing to UI/UX development.

- **Built a software stack that specialized in Personalized Marketing**, using push notifications and location, of Internet-related services and products (27 separate consumer services).
- **Obtained a 65% click-through rate and 33.6% conversion rate** by using demographics, in-app behaviors, and preferences to provide users with hyper-personalized offerings.

PRIOR POSITIONS:

Android Developer, Kapture (2015-2016) – Constructed apps with sensors and Bluetooth. Served as a Technology Consultant for other new startups and assisted with entrepreneurial events.

Android Developer, Senega Systems (2013-2014) – Designed and maintained B2C e-commerce apps for U.S. Retail and Wholesale clients, boosting downloads by 15+% with visually appealing and responsive interfaces.

EDUCATION

Master of Science - MS, Computer Science (Specialization in ML)

Stevens Institute of Technology – Hoboken, NJ – 2023

Graduate Courses/Internship – Introduction to Text Mining/Natural Language Processing; Machine Learning: Fundamentals & Applications; Deep Learning; **Summer Internship, AI**; Artificial Intelligence; Knowledge Discovery & Data Mining; Web Programming; Text Mining & Information Retrieval; Causal Inference; Mobile Systems & Applications

Bachelor of Engineering - BE, Computer Science

Visvesvaraya Technological University – Bangalore, India – 2015