NISHIL R. RAIYARELA

+1 416-821-2804 • nishilraiyarela@gmail.com • LinkedIn • **Portfolio** • GitHub

---

PROFESSIONAL SUMMARY

Software Engineer (SWE) with **2+ years** of professional experience building Android, cross-platform, and web applications. Strong background in Java, Kotlin, Flutter, and JavaScript, with hands-on experience delivering secure, production-ready features including biometric authentication and role-based access control.

TECHNICAL SKILLS

Languages: Java, Kotlin, JavaScript, SQL | *Exposure:* C, C++, Python, PHP
Frameworks & Platforms: Android SDK, Flutter, React.js, Node.js, Express
Web: HTML, CSS, Tailwind CSS
Databases: SQLite, Firebase
Tools: Git, GitHub, REST APIs, CI/CD, Android Studio, VS Code, Jira, Agile/Scrum

WORK EXPERIENCE

Mobile Application Developer   Jan. 2022 - Nov. 2023
Mantra Softech Pvt. Ltd., Ahmedabad, India
- Built Android-based **biometric SDK testing tools** integrating **5+ fingerprint, palm, and iris device SDKs**, validating enrollment, matching, and verification workflows across multiple hardware models.
- Developed a reusable **hardware testing kit** using **Java, Kotlin, and SQLite**, **reducing manual device validation time by ~40%** by standardizing biometric test flows.
- Implemented the same testing framework in **Flutter**, enabling **2× faster feature rollout** across platforms by reusing shared business logic
- Created internal utilities including **camera-based object proximity detection**, improving **device testing accuracy** and reducing false positives during validation.
- Co-developed a **rolling fingerprint data collection application**, integrating company-owned biometric hardware to securely capture and store fingerprint data for **client deployments**.
- Delivered the rolling fingerprint project **on schedule**, contributing to **successful commercial adoption** and earning a **team performance bonus**.
- Collaborated in a **small Agile team**, working closely with senior engineers and using **Git, Jira, and CI/CD workflows** to deliver production-ready software.

PROJECTS

Portfolio Website - *React, Vite, Tailwind CSS*
- Built a **high-performance, responsive web application** deployed on **Vercel**.
- Implemented smooth UI animations using **Framer Motion** to enhance user experience.
- Configured **GitHub-based CI/CD pipelines** for automated builds and deployments.

Event Management App
- Designed & developed an **Android apps** supporting multiple event types with **role-based user access**.
- Implemented secure authentication, structured local data storage using **SQLite**, and optimized queries for performance.
- Focused on clean UI design and maintainable architecture to support future feature expansion.

EDUCATION

Software Engineering Technology Advanced Diploma
Centennial College of Applied Arts & Technology, Toronto, ON
Bachelor of Engineering in Computer Engineering
G H Patel College of Engineering & Technology, Anand, India