

# Pushkar Agnihotri

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MS in Computer Science candidate with 4 years of experience in Android app development, with a proven track record of designing and building scalable, high-performance mobile applications.

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## EDUCATION

### Master of Science, Computer Science

California State University, Fullerton

Aug 2024 - May 2026

(Mobile App dev, Software Architecture, Web Back-End Engineering)

### Bachelor of Engineering, Computer Science

Government College of Engineering Aurangabad, Maharashtra, India

Aug 2016 - Jun 2020

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## WORK EXPERIENCE

### Carnot Technologies Mumbai, India

Jan 2021 - Jul 2024

#### Android Engineer

- Led a team of 2 developers in adopting Model View ViewModel (MVVM) architecture for 3 projects, leading to a 9% reduction in development time, 15% improvement in code quality, and an estimated cost savings of \$1,000/month.
- By converting the app into a multi-module project, we streamlined its structure, improved code maintainability, and facilitated independent testing, which ultimately contributed to achieving over 1 million downloads on the Google Play Store.
- Through baseline profiling optimized app startup speed performance by 20 milliseconds and reduced app size by 28%, resulting in a 5% increase in user downloads and a 18% improvement in user engagement.

#### Android Developer

- Successfully integrated a third-party app as a module, reducing development time by 90% and saving an estimated \$8,000.
- Developed and deployed Gradle version catalogs to streamline dependency management across a multi-module project, this initiative is currently supporting 11 active modules, fostering uniformity in dependency versions.
- Successfully modernized the project by migrating from Java to Kotlin and from RxJava to Kotlin coroutines. This transition resulted in cleaner, more concise, and more Kotlin-idiomatic code, enhancing readability and maintainability.

### ElasticRun Pune, India

Sep 2020 - Dec 2020

#### Technical Support Engineer

- Ensured smooth software operations through rigorous sanity testing and efficient software deployment, contributing to overall system stability and customer satisfaction.
  - Proactively resolve technical issues by effectively troubleshooting and managing support tickets, demonstrating strong problem-solving skills and a commitment to customer service.
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## FREELANCING PROJECT

### Reflexology Android App ([India PlayStore Link](#) | [US PlayStore Link](#))

Mar 2020 – May 2020

- I successfully developed the Jain Reflexology app, a comprehensive health and wellness solution that has garnered over 5,000 downloads in the Indian Play Store.
  - The app boasts a user-friendly interface, built with Java for the frontend, and a robust backend infrastructure powered by PHP, MySQL, and Firebase to deliver a seamless user experience.
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## TECHNICAL SKILLS

Android App Development, Software Architecture, Clean Architecture, Kotlin, Java, Dependency Injection, RxJava, Agile Application Development, Kotlin Coroutines, MySQL, Firebase, React.js, Node.js, PHP, Git.