

# Pushkar Agnihotri

Software Engineer, Android

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## EDUCATION

<i>California State University, Fullerton, USA</i>	<i>Aug 2024 - May 2026</i>
<i>Master of Science, Computer Science (Software Engineering Minor)</i>	
<i>Government College of Engineering Aurangabad, Maharashtra, India</i>	<i>Aug 2016 - May 2020</i>
<i>Bachelor of Engineering, Computer Science</i>	

## WORK EXPERIENCE

<i>Carnot Technologies Private Limited, India   Senior Software Engineer (Android)</i>	<i>Jan 2021 - July 2024</i>
<ul style="list-style-type: none"><li>Led adoption of <b>Model-View-ViewModel</b> architecture across 3 Native Android apps, enabling faster feature rollout, reducing production bugs by 25%, and simplifying onboarding for new developers.</li><li>Designed and deployed an <b>in-house SDK</b> featuring gamification elements, driving a 20% increase in in-app purchases and a 15% boost in customer retention through repeat recharges.</li><li>Redesigned the app into a <b>multi-module project</b>, optimizing code structure, enhancing maintainability, and enabling faster, independent development and testing.</li><li>Enhanced user experience and application resilience by implementing <b>offline-first</b> functionality. Also, refined data models for efficient local storage and synchronized data with a backend server using <b>WorkManager</b>, ensuring seamless operation even in low-connectivity environments.</li><li>Integrated <b>Firebase, CleverTap, UXCam</b>, and other customer engagement and performance platforms to monitor user behavior, analyze segmentation, and deliver personalized user experiences, enhancing user satisfaction.</li><li>Contributed to the app's overall success, helping it surpass <b>1 million downloads</b> on Google Play through architectural improvements and feature scalability.</li></ul>	
<i>Software Engineer (Android)</i>	
<ul style="list-style-type: none"><li>Proposed and led the <b>Integration of a third-party app</b> into our core product, expanding feature offerings under one roof and driving a 40% increase in user base.</li><li>Used <b>Baseline Profiles</b> to shift performance-sensitive code from <b>Just-In-Time (JIT)</b> to <b>Ahead-Of-Time (AOT)</b> compilation, reducing app startup time by 27% and enhancing user experience.</li><li>Implemented <b>Gradle Version Catalogs</b> to simplify and standardize dependency management across all projects, centralizing libraries for 20+ modules, ensuring consistent versioning, and enhancing scalability.</li><li>Migrated legacy Android apps from <b>Java</b> to <b>Kotlin</b> and replaced <b>RxJava/RxAndroid</b> with <b>LiveData</b> and <b>Coroutines</b>, resulting in more concise, maintainable, and idiomatic Kotlin code.</li></ul>	
<i>ElasticRun, India   Software Engineer Intern</i>	<i>Jun 2020 - Jan 2021</i>
<ul style="list-style-type: none"><li>Developed and enhanced enterprise applications using <b>ERPNext</b> and the <b>Frappe (Python)</b> framework, delivering new features and backend improvements for scalable business operations.</li><li>Strengthened system reliability and deployment workflows by implementing <b>automated testing</b> (Selenium, PyTest) and integrating <b>QA</b> into a <b>CI/CD pipeline</b>, ensuring consistent performance and faster release cycles.</li></ul>	

## CONTRACT WORK

<i>JIN Reflexology, India   Software Developer</i>	<i>Mar 2020- Jun 2020</i>
<ul style="list-style-type: none"><li>Designed, developed, and deployed a <b>Native Android app</b> for Jin Reflexology using <b>Java</b> and <b>PostgreSQL</b>, enabling efficient patient onboarding, appointment scheduling, and diagnosis tracking.</li><li>Integrated <b>PayPal Payment SDK</b> to support secure and seamless in-app transactions, enhancing the checkout experience and improving overall user satisfaction.</li></ul>	
<i>Yog Sadhna Varga, India   Web Developer</i>	<i>Feb 2020 - Mar 2020</i>
<ul style="list-style-type: none"><li>Developed a responsive <b>Progressive Web App (PWA)</b> yoga website using <b>React.js</b> to deliver a seamless, engaging user experience across devices and screen sizes.</li><li>Implemented <b>offline functionality</b> to ensure content accessibility without an internet connection.</li></ul>	

## TECHNICAL SKILLS

<b>Language:</b> Kotlin, Java, JavaScript, Python, SQL, GraphQL, NOSQL
<b>Frameworks:</b> React.js, Node.js, Express.js, Next.js, Gatsby.js, Spring Boot (Kotlin)
<b>Database:</b> MySQL, PostgreSQL, MongoDB, Room DB, Realm DB
<b>Cloud Technologies:</b> AWS, Microsoft Azure, Google Cloud, Firebase Analytics and Crashlytics
<b>Software/Other Skills:</b> Jetpack Compose, Kotlin Multiplatform, Retrofit, Ktor, Dependency Injection, Dagger Hilt, Koin, DataStore, Paging3, Navigation Component, Coil, ExoPlayer, LeakCanary, Asynchronous Programming, Gradle, XML, JSON, REST APIs, SOLID Principles, Material Design, Wireframing, Prototyping, Git, Scrum, Agile, Technical Documentation

## AWARDS & CERTIFICATES

<ul style="list-style-type: none"><li><b>1st Rank in Smart India Hackathon:</b> Built a unified scholarship portal for AICTE problem statement.</li><li><b>2nd Rank in Microsoft Hackathon:</b> Built an Android app &amp; big data platform for government schemes.</li><li><b>Google Cloud Computing Foundations Certificate:</b> Completed foundational certification</li><li><b>AWS Knowledge: Serverless Computing:</b> Completed training on serverless architecture</li></ul>	
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