

# Ayush Patel

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## Professional Summary:

Results-driven Senior Software Engineer with a strong background in Android app development and a passion for creating seamless user experiences. Experienced in spearheading the design and development of innovative mobile applications, leveraging cutting-edge technologies and frameworks. Adept at leading small teams and collaborating cross-functionally to deliver high-quality products. Committed to staying abreast of industry trends and continuously improving technical skills.

## Experience:

### Principal Android Developer – Ally Financial, Charlotte

September 2024 - Current

- Involved in the maintenance, stability, and performance optimization of the core native Android application for Ally Auto within the **Ally** mobile app.
- Initiated efforts to enhance the stability of the native Android application for the Auto division, resulting in a measurable reduction in crashes.
- Diagnosed, debugged, and resolved critical bugs and performance bottlenecks within the native Android codebase for the Ally Auto application.
- Implemented robust error handling and logging mechanisms to proactively identify and address potential stability issues in the Auto app.
- Actively learning and contributing to the company's strategic transition towards **React Native** for a unified mobile platform.
- Collaborating with cross-functional teams to understand the architecture and contribute to the development of new features using React Native.
- Leveraged native Android expertise while acquiring proficiency in React Native principles and best practices.

### Senior Software Engineer (Android) – LendingTree, Charlotte

July 2019 - September 2024

- Having led **LendingTree: Spring's** development with **Jetpack Compose**, I transformed the LendingTree mortgage experience.
- Redesigned app's UI/UX, delivering user-friendly and intuitive experience with use of Canvas API for custom drawings and animations.
- Embraced learning mindset, continuously exploring and implementing latest tools and technologies, including Jetpack Compose, Navigation, and the single activity architecture stack.
- Gained comprehensive exposure to the entire application lifecycle, from initial product requirements to ensuring user satisfaction.
- Contributed to development of comprehensive financial management solutions, empowering users to manage their finances effectively.
- Spearheaded adoption of cutting-edge technology, enhancing app's performance and elevating user satisfaction levels.

### Android Developer – TimeTap, Charlotte

August 2018 – May 2019

- Led development of native application **TimeTap** from scratch, focusing on creating a more user-friendly and free-flowing experience.
- Implemented key features such as Biometric Authentication, Multi Screen Layout, Session Management, Bottom Navigation View, and Calendar View Appointments.
- Leveraged Android platform, REST APIs, Retrofit v2.0, and MVC Architecture to ensure seamless integration and efficient data handling.

## Education:

### The University of North Carolina at Charlotte

May 2019

Master's in Computer Science

GPA: 3.9

### Rajiv Gandhi Proudhyogiki Vishwavidhyalaya, India

June 2017

Bachelor of Engineering

GPA: 7.8/10

## Personal Projects:

### FlickCase (Compose Multiplatform, Jetpack Compose, Kotlin, Ktor, Coil, Material3 Theme)

- Developed **FlickCase**, a cross-platform movie and TV show discovery application ([Google Play](#) | [App Store](#)), leveraging **Kotlin** and **Compose Multi Platform** to deliver a consistent user experience across Android and iOS.
- Integrated with the **TMDb API** using **Ktor** and **kotlinx.serialization** to fetch and display trending content, genre-specific listings, and detailed information including cast, overviews, and ratings.

### Bug-Free Bio (Compose Multiplatform, Jetpack Compose, Kotlin, Canvas API, Animations API, Material3 Theme)

- Developed and launched a personal portfolio app for ([Google Play](#) | [Web](#)) using **Compose Multiplatform**, showcasing my skills, projects, and career with a modern, consistent UI across platforms.

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