

# Rishik Karanjiya

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## Skills

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- **Programming Languages:** JavaScript, TypeScript, Java, Python
- **Frameworks and Libraries:** React Native(CLI), Expo, React Hooks, React Navigation, Styled Components
- **State Management:** Redux, Redux-Thunk, Redux-Saga, Context API
- **Databases and Query Languages:** Firebase Firestore, Firebase Realtime Database, MongoDB, Realm

## Experience

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| <b>Software Engineer</b>   | <b><u>Bacancy Technology</u></b>    | <i>Ahmedabad, GJ, India</i> | <b>06/2022 - Current</b> |
| <ul style="list-style-type: none"><li>• As a React Native Developer, I demonstrated proficiency in developing cross-platform apps using React Native, showcasing expertise in the framework's components, APIs, and libraries.</li><li>• Collaborated with product and design teams to deliver intuitive, user-friendly mobile experiences, focusing on clean architecture and optimized performance.</li><li>• Enhanced app functionality by integrating third-party APIs and services, contributing to critical features that improved user retention and engagement.</li><li>• Demonstrated expertise in state management and code optimization, driving efficiency improvements and reducing app loading times.</li><li>• Managed bug fixes, client-requested changes, and deployment of release builds on TestFlight and APKs.</li><li>• My role involved active participation in Agile methodologies, collaborating with cross-functional teams to ensure effective communication and successful project delivery.</li><li>• Delivered critical bug fixes and performance optimizations, consistently improving app stability and user satisfaction.</li></ul> |                                     |                             |                          |
| <b>Android Developer-Internship</b>  | <b><u>Skyolane Digisolution</u></b> | <i>Remote</i>               | <b>06/2021 - 11/2021</b> |
| <ul style="list-style-type: none"><li>• Gained practical experience in developing Android applications under the guidance of senior developers, acquiring familiarity with the Android development ecosystem, tools, and best practices.</li><li>• Participated in the design and implementation of user interfaces (UI) for Android apps, including layout design, UI components customization, and responsiveness optimization.</li><li>• Gained experience in integrating RESTful APIs or other web services into Android applications to fetch data from external sources, enabling dynamic content delivery and interaction.</li><li>• Demonstrated a proactive attitude towards learning and adapting to new technologies, frameworks, and development practices, seeking continuous improvement and growth throughout the internship.</li></ul>   |                                     |                             |                          |

## Education

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|---|------------------------|-----------------------|--------------------------|
| <b>Bachelor of Engineering</b>  | <b><u>CHARUSAT</u></b> | <i>Gujarat, India</i> | <b>07/2018 - 05/2022</b> |
| <ul style="list-style-type: none"><li>• Major in Information Technology - Score: AB</li></ul> |                        |                       |                          |

## Projects

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- **BMOXI**
  - **Technologies:** React Native, Firebase, Redux, Push Notifications, React Native Calendars, Twilio Video WebRTC, Track Player
  - Redesigned the entire app and implemented custom patches for the React-Native-Calendars library. Resolved issues with the video call feature and enhanced performance by reducing unnecessary rendering and adding clean-up functions.
  - Enhanced React-Native-Track-Player with new features, including forward and backward jumps.
  - **Live Links:** [Android](#), [iOS](#)
- **AVR Base**
  - **Technologies:** React Native, Firebase, Redux, Video, OneSignal, Socket.io, Maps, Mixpanel, Sendbird
  - Improved in-app notification handling and redirections, converted class-based components to functional components, and migrated JavaScript code to TypeScript. Removed unnecessary files and optimized existing code to reduce app size..
  - Added video player functionality for user-uploaded posts, worked on event post and image sharing features, and integrated Mixpanel for analytics. Implemented parallax animation for the feed header.
  - **Live Links:** [Android](#), [iOS](#)

- **GoVibin**
  - **Technologies:** React Native, Firebase, Redux Toolkit, Twilio Video WebRTC, Emoji Keyboard, Notifee
  - Developed the app from scratch, including UI design, and created chat features with firestore, image uploading and reactions. Implemented one-to-one call functionality with time limitations and managed push notifications with Notifee.
  - Designed swipe gesture animations and integrated React-Native-Twilio-Video-WebRTC for video calls.
- **AGM App**
  - **Technologies:** React Native, Biometrics, Signature Canvas, MMKV, Redux Toolkit
  - Integrated biometric authentication and added a digital signature box for server uploads. Developed dynamic forms with offline support and handled document downloads in various formats (CSV, PDF).
  - Fixed responsive issues related to orientation changes and created custom hooks for image uploading. Achieved offline support using MMKV storage.
- **iTul**
  - **Technologies:** React Native, Redux Toolkit, MMKV
  - Developed the entire app independently, including environment setup for different development stages and writing build scripts. Created a custom carousel with animations, dynamic lists based on user inputs, and custom forms with validation.

## Academic Projects

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- **Smart Irrigation System:**
  - Developed an application to manage farm irrigation and monitor humidity and moisture levels remotely via a mobile app.
- **Smart Parking System:**
  - Led a team to an exhibition for a startup funding competition.
  - Designed a system where LED lights guide users to designated parking spots and entry is facilitated through personalized QR codes.
- **Sign Language Detection for Deaf & Dumb:**
  - Created a real-time sign language detection method using neural networks for fingerspelling based on American Sign Language.
  - Achieved 95.7% accuracy for recognizing the 26 letters of the alphabet by filtering hand images and passing them through a classifier to predict hand gestures.

## Achievements

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- Achieved 1st rank in AVISHKAR TECH-EXPO 2019 for creating an innovative smart parking system.