Kirtan Shah

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Email | LinkedIn | Portfolio | GitHub | Play Store

EXPERIENCE

Software Developer   *Krishitantra - Klonec Automation Systems Pvt Ltd — Aug 2023 - Present*
Krishitantra is an agritech startup focused on innovative soil testing solutions through IoT-driven technology.

- **Led the full-cycle development of the Bhu-Vision mobile application**, creating a robust platform for real-time soil testing insights and data visualization. Enhanced app performance and streamlined complex workflows to deliver a seamless user experience, tailored for the agricultural sector.

- **Designed and developed the Soil Health Card (SHC) application from the ground up**, empowering farmers and agronomists with accessible soil health analytics through a highly optimized **UI/UX**. The app is currently being migrated to Flutter, expanding cross-platform compatibility and aligning with modern design standards.

Associate Software Developer   *Abjayon Inc. — Jun 2021 - Aug 2023*
Abjayon Inc. is a global consulting firm specializing in solutions for the utility industry, providing advanced software and data management services.

- Enhanced the parsing efficiency of 10 million meter data points, boosting processing speed by **25%** through the implementation of custom Java parsers integrated with OSB. Contributed significantly to utility projects, elevating data processing efficiency and strengthening system reliability.

EDUCATION

Bachelor of Computer Science & Engineering, MS University, CGPA: 8.8 (73.4%) —	2017-2021
HSC, Parth School of Science , 93.66% —	2015-2017

TECHNICAL SKILLS

Languages & Tools: C, C++, Python, Java, Kotlin, Dart, Git, Android Studio, VSCode, Firebase, Postman, Google Maps API, Retrofit, Android NDK, Gradle, Docker, Jira, GitLab, Appium, Firebase Cloud Messaging
Technologies & Frameworks: Flutter, Android SDK, ARCore, Firebase, MVC, MVP, MVVM, Clean Architecture, Bluetooth, GraphQL, REST APIs, Push Notifications, Payment Integration (Razorpay, PayPal), AWS, Azure, Redux, Flux, RxJava, Coroutines, Dagger, Room, SQLite, KMM, Jetpack Compose, JUnit, Figma, Proguard

PROJECTS

Bhu-Vision (Soil Testing App) - Krishitantra   (Play Store)
Tech Stack: *Android Java, Retrofit, GraphQL, Bluetooth Classic, Push Notification*

- Engineered and developed a cutting-edge IoT-based soil testing app, incorporating Bluetooth Classic for real-time data transmission across 12 parameters, achieving **94%+** accuracy.

- Spearheaded the integration of Retrofit and GraphQL for efficient backend communication, ensuring seamless data exchange and timely push notifications to enhance user engagement.

Soil Health Card (Government Project) - Krishitantra   (Play Store)
Tech Stack: *Android, Kotlin, Flutter, Dart, GraphQL, Push Notification (OneSignal)*

- Led the end-to-end development of a high-performance Android app, managing soil test data for over 10 lakh farmers and processing 50 lakh+ tests, improving agricultural outcomes.

- Managed the shift to Flutter for cross-platform functionality, improving development efficiency and increasing the app's reach, while maintaining a highly intuitive interface lauded by government representatives.

Tree Visualizer   (Play Store)

- Developed an interactive, user-driven tool to visualize Binary Search Trees, AVL Trees, and B Trees, offering export functionality for enhanced analysis and storage of tree structures.