

Abhijeet Kumar

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EXPERIENCE

App Developer

I & S Communicative Pvt Ltd

February 2024 - Present

- Developed scalable Android applications using Kotlin, leveraging coroutines and Flow for efficient asynchronous programming.
- Implemented clean architecture (MVVM) with Jetpack components such as ViewModel, LiveData, and Room to ensure maintainable and testable code.
- Optimized app performance by reducing memory leaks, improving API handling with Retrofit, and enhancing UI responsiveness.
- Integrated RESTful APIs and third-party SDKs seamlessly using Kotlin, ensuring secure and efficient data handling.
- Utilized Kotlin features like extension functions, data classes, sealed classes, and null safety to write concise, robust, and maintainable code.

SKILLS

- Core: Android Studio, Kotlin, Jetpack Compose, MVVM Architecture, Clean Architecture, Coroutines, Flow, LiveData, ViewModel, Room Database, Retrofit
- Additional: HTML, CSS, JavaScript, Basic Python
- Database: MongoDB

EDUCATION

Bachelor of Technology

Bihar University • Bihar, India • 2023 • 8.84

PROJECTS

Advertisement App

- Developed an Advertisement Display App using Kotlin to dynamically stream and display images and videos in a continuous loop.
- Integrated REST APIs using Retrofit to fetch advertisement content (images/videos) from the server efficiently.
- Implemented local storage caching by downloading media files to device storage, ensuring seamless offline playback and reduced network dependency.
- Designed an automated content update mechanism to detect new API content, remove outdated media files, and download updated advertisements dynamically.
- Optimized media playback performance and memory usage to ensure smooth looping of high-resolution images and videos without lag.
- Implemented background services and Coroutines to handle media downloads and updates asynchronously without interrupting the UI thread.
- Followed MVVM architecture to maintain clean code structure, improving scalability, maintainability, and separation of concerns within the application.

OEM App

- Collaborated with a cross-functional team to develop key features of the OEM App using Kotlin and MVVM architecture.
- Implemented image and video upload functionality with cropping support, enabling users to create and share high-quality posts seamlessly.
- Integrated AWS S3 for secure media storage and optimized file upload handling for improved performance and reliability.
- Designed and developed the Profile Screen, managing user data, posts, and dynamic UI updates efficiently.
- Built a Trip Management feature allowing users to create trips and track live location with real-time route drawing on Google Maps.
- Implemented live tracking using location services and polyline mapping to visually represent user movement on the map.
- Optimized media handling, API integration, and background processes to ensure smooth user experience and minimal latency.

Lift Detector App

- Developed a Lift Detector App using Kotlin that detects device pick-up activity and automatically starts a usage timer when the user lifts the phone.
- Implemented motion detection using device sensors (Accelerometer/Proximity Sensor) to accurately identify phone lift and idle states.
- Designed logic to automatically stop the timer when the device remains idle for 10 seconds and restart upon detecting movement again.
- Built a persistent Foreground Service to ensure continuous detection even when the app is in background or terminated (kill mode).
- Integrated a Broadcast Receiver to automatically restart the service on device reboot, ensuring uninterrupted functionality.
- Optimized background processing and battery usage to maintain efficient real-time detection without impacting device performance.

AI & Automation Experience

AI Email Agent – LangGraph & OpenAI

- Explored Agentic AI concepts and implemented workflow-based AI agents using LangGraph framework.
- Designed and developed an Email Automation Agent that generates professional emails from user prompts using OpenAI LLM APIs.
- Implemented prompt processing to extract structured data such as subject line and email body before sending emails programmatically.
- Built multi-step LLM workflows using LangGraph to manage agent reasoning and task execution.
- Integrated OpenAI APIs for content generation and automated email delivery through backend services.
- Gained hands-on experience in LLM orchestration, prompt engineering, and AI agent architecture.