

Abhijeet Kumar

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EDUCATION

Jaipur National University

MCA

Delhi

2019-2021

Magadh University

BCA

Patna

2015-2018

EXPERIENCES

Cognizant — Associate Projects (Android)

2022-Present

Bangalore

- Improvement of Application Security, protecting business applications from security attacks by developing, inserting, and testing security components that make your application more secure.

Amantya Technologies, Inc — Senior Android developer

2021-2022

Gurugram

- Developed native and Android OS applications for communication, specializing in call and messaging functionalities.

Pulp Strategy — Android Developer

2021-2021

New Delhi

- Worked in Developing and designing user-centric mobile experiences for B2C applications and build efficient attendance tracking solutions.

Apogee Precision Lasers — Android Developer

2019-2021

Noida

- Developed innovative mobile solutions using BLE and survey functionalities to gather data and streamline workflows.

PROJECTS

Google Play Protect | Android, Kotlin, Java, Reverse Engineering, CIS

[link](#)

- I leverage my expertise in reverse engineering and cyber security (CIS) to analyze applications on the Google Play Store. This involves deconstructing apps (breaking them down to pure code) to identify potential vulnerabilities and malicious behavior. By uncovering these vulnerabilities, I contribute to the efforts of banning harmful applications from the Play Store, ultimately protecting users.

Aliis | Android, Kotlin, Camera2api

[link](#)

- Developed a professional camera application leveraging Camera2 API. The app captures RAW files (DNG, .jpeg, ppm) and allows adjustments for ISO, exposure, and aperture. Burst photo mode is also included.

Seekit by Panasonic Android, Java, BLE

[link](#)

- Contributed to Panasonic's SeekIT app, a solution for tracking valuables. Implemented root detection using NDK, employing C++ and AIDL files to identify devices rooted with Magisk.

Android IMS Simulation(Telephony, Android, Java, AOSP, AIDL, HAL, VOIP, RIL, ADB Shell)

[link](#)

- This project involved modifying the open-source LineageOS for enhanced functionality. I configured the OS and made essential adjustments to enable Voice over IP (VoIP) capabilities through the IMS application. This involved establishing calls and messaging functionality over an IP network.

Strattendace | Android, Java, Room DB

[link](#)

- This application is being used by the office employee to mark their attendance using QR without any physical touch. This application also helps them to sync their attendance with greytHR.

Bridgestone BridgeSmart | *Android, Java, Kotlin*

[link](#)

- A digitally enabled sales tool that empowers Bridgestone sales representatives to meet customers requirements better. It allows them to recommend the right product to help enhance the efficiency of customers fleet operations and shows the TCO savings.

E-challan 2.0 | *Android, Java, SQLite*

[link](#)

- This application is being used by the Madhya Pradesh Police to avoid the tedious pen and paper method of making challan. This application helps them to generate challan over the mobile phone making it quick and easy to work.

Survey App | *Android, Java, BLE, SQLite*

[link](#)

- This application is based on GIS System. This app helps with measuring stake point, topo points with the use of Bluetooth low energy (BLE).

Padlock App | *Android, Java, BLE*

[link](#)

- This application is a way to innovate. It helps you with getting done with the traditional lock and key method, with this app you can open the locks with a click in the phone using Bluetooth low energy.

ACHIEVEMENT

Best Junior developer

- Recognized as a top junior developer by receiving the Best Junior Developer Award for my work on the Survey App which is currently used by Map My India.

Promoted to Senior Android Developer

- Promoted to Senior Android Developer for Leading the Development of an IMS Application for Enhanced VoIP Functionality

TECHNICAL SKILLS

Languages: Java, Kotlin, Android, SQLite, MVVM, Jetpack Components, RxJava, Compose, AOSP, AIDL, SSL, SDK, NDK, JNI, Android build system, Telephony Manager, VOIP, RIL, ADB shell, TCP-IP, UDP, Android Mk, Soong build, Services, Intent, Broadcast Receiver, Services, Camera2api, XML, Rest API, Retrofit, Google Maps, Firebase cloud messaging (FCM), Bluetooth low energy (BLE 5.0), Near field communication (NFC), QR,

Developer Tools: Android Studio, VS Code, Git, IntelliJ, Bitbucket, Jira, Trello, Firebase Console