

# Kartik Singhal

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Delhi, 110048

## CAREER OBJECTIVES

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An Android engineer and a self-motivated programmer with experience of working in young, fast-paced product startups. An avid learner with passion for all things Mobile. Strong engineering professional with a Bachelor of Technology.

## EDUCATION

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- **Bachelor of Technology** in Computer and Communication Engineering **8.3 CGPA**  
Manipal University Jaipur, Rajasthan, India | (2016 - 2020)

## PROFESSIONAL EXPERIENCE

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- **Niyotail – Android Developer** (August'20 - Present)
- **Trell Experiences – Android Development Intern** (January'20 – July'20)
  - Worked in a small team of Mobile Application Development (Android), working closely with UX/UI designers, back-end, data, and product team.
  - Worked on multiple UI refinements, feature additions for enhanced user experience, following best practices in Kotlin.
  - Individually researched on Android SDK and developed a root app to silently install/uninstall any APK, change Device ID and Model name, for an internal project.
  - Worked on optimization and revamp of app modules making them dynamic and back-end controlled.
  - Witnessed downloads rise from 1M to 10M+ on Playstore and 30x surge in user activity and worked at a hackathon pace to ensure that the app meets performance requirements and continually improved it based on reviews and analytics.
  - Helped in increasing stability and crash-free users' percentage to ~ 99% and worked on multiple emulators to develop and test the deployment and interoperability on multiple platforms.
  - Currently working on optimization and revamp of app modules for enhanced user experience.
- **CARS24 – Technology Intern** (June'19 – July'19)
  - Worked as a tech intern in the Mobile Development team and assisted them.
  - Gained knowledge of latest technologies being used for development.
  - Provided documentation and support to the working team.
  - Learned how to contribute in an agile environment and its nuances.

## TECHNICAL SKILLS & RELEVANT COURSEWORK

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- **Core** - SDLC, Database Management, Object-Oriented Programming, Multi-threading, Data Structures, Algorithms, Operating Systems.
- **Android** – Java, Kotlin, MVVM, Room DB, LiveData, Coroutines, Activity & Fragments, Services, Broadcast Receivers, XML, Firebase services, Web Views.

## ACADEMIC PROJECTS

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- **Android** – Apps to “**learn Devanagari alphabets**” & “**Personalized birthday card generator**”.
- **Cryptography** - Created a Java based tool to encrypt plain text through RSA and RSA-CRT. Analyzed that RSA with Chinese Remainder Theorem sped up RSA decryption by an approximate factor of four.
- Research & implementation of alternative model of **DRM System for increased profits in multimedia sales**.
- Participated in DST hackathon and modelled an app to **notify authorities of locations where garbage lies**.

## EXTRA CURRICULAR SKILLS & ACHIEVEMENTS

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- Fluent English - **IELTS band 8.0.**
- Volunteered to teach a computer course to underprivileged students in 2019 at DCWA, India.
- Led a team of 8 to organize a Diwali festive event and relayed the earnings to a local NGO in Delhi.
- Zonal topper at National Cyber Olympiad, 2013.
- Rewarded memento for scoring 10.0 CGPA in Class 10<sup>th</sup>, 2014.
- Content writer in 2016 at the Rotaract Green Club, MUJ.
- Coordinator of promotions team for the college fest in 2017.