

# NIVEDHA KARNAN

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LinkedIn

Chennai, Tamilnadu

## EDUCATION

### R.M.K College of Engineering and Technology

B.E Computer Science  
Sep 2017 – May 2021

## SKILLS

Kotlin(Primary), Core Java

Android SDK, MVVM and Clean Architecture

Jetpack (Navigation, Architecture Components, Ui Components)

DI (Koin)

Firebase (Firestore, Analytics, App check)

Unit Testing (JUnit5, MockK)  
Ui Testing (Espresso, composeTest)

Agile Framework(scrum, kanban)

## TOOLS

App quality management and Observability

Mend - formerly whitesource,  
SonarQube, Firebase Crashlytics,  
Datadog, LeakCanary

Version control systems

Git - BitBucket, Github

Build Automation

Maven, Gradle, Groovy

Project Management tools

JIRA, Confluence

Integrated Development Environment(IDE)

Android Studio, IntelliJ

## LANGUAGES

• English • Tamil

## EXPERIENCE

### Trimble Inc | Software Developer

Jan 2021 - Present | Chennai, TamilNadu

#### Project - Instinct App Launcher (June 2024 - present)

- Developed a launcher app for NA and EU customers, integrated with 5 other applications to facilitate seamless truck driver login/logout, trip management, and inspections for compliance.
- The app is controlled via Enterprise Mobility Management (EMM), ensuring secure access and management of policies.
- Successfully migrated from XML layouts to Jetpack Compose for launcher widgets, improved app and widget performance by 20%.
- Implemented Clean Architecture in the launcher app, improving maintainability and separation of concerns.
- Playstore Link for [App Launcher](#)

#### Project - Instinct Driver Workflow (Oct 2022 - May 2024)

- Developed a dispatch management mobile app for truck drivers to start trips, manage the trip panel for arrival prompts at stops, complete forms for each stop, and send messages between dispatchers and drivers.
- Collaborated with all 15 team members in this critical project which has high volume of production incidents as it affects driver's day-to-day routine.
- Proficient in monitoring and troubleshooting issues with Datadog logs, provided timely support to the customers and delivering on-time fixes.
- Witnessed 25k user count per day in datadog/crashlytics.
- Had experience on automation testing, taking end-to-end ownership of feature development, testing and release.
- Playstore Link for [Driver Workflow](#)

#### Project - Driver Media(Jan 2021 - Sep 2022)

- Developed and maintained the Driver Media app, providing training video, audio, and documents for drivers with background playback support through widgets.
- Integrated media publishing from the Media Manager(web portal) with support for infinite media load.
- Implemented as a standalone application with offline support.
- Received customer appreciation for delivering a stable and reliable application.
- Playstore Link for [Driver Media](#)

#### Other responsibilities across all projects

- Proficient in logic building, capable of writing clean and maintainable code.
- Presented innovative projects at hackathons and events, showcased with the technical skills.
- Collaborated effectively with cross-functional teams including Business Analysts and Product Owners.
- Mentored juniors by providing proper guidance and feedback.