

Shanthosh Kumar

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SUMMARY

Motivated Android Developer with strong skills in Java and Kotlin, specializing in CameraX and Google ML Kit integrations. Experienced in building scalable, performant apps with MVVM architecture in Agile teams. Passionate about clean code, user-centric design, and continuous learning, actively pursuing Google Associate Android Developer certification. Seeking to contribute to innovative mobile projects and grow as a software engineer.

SKILLS

Programming Languages Java, Kotlin

Android Android Studio, ViewBinding, Jetpack Libraries (ViewModel, LiveData, Navigation), Room DB

Architecture MVVM, Repository Pattern

ML & AI Google ML Kit (Face Detection, Barcode Scanning, OCR, Image Labeling)

Networking Retrofit, REST APIs, JSON Parsing

UI/UX ConstraintLayout

Tools Firebase, Git/GitHub, Postman

EXPERIENCE

Android Developer Intern

Nov '24

Parts2Product

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- Completed the Advanced Software Engineering Job Simulation where I solved difficult technical projects for a various of teams at Walmart.
- Developed a novel version of a heap data structure in Java for Walmart's shipping department, showcasing strong problem-solving and algorithmic skills.
- Created an entity relationship diagram to design a new database accounting for all requirements provided by Walmart's pet department.

PROJECTS

HealthApp (Android – Java) [Link](#)

Feb '25 — Apr '25

- Developed a health tracking app with 10,000+ lines of code, enabling users to log metrics, set goals, and visualize data with interactive charts.
Implemented Room Database with LiveData and ViewModel, reducing load times by 40% through efficient real-time synchronization.
Integrated Android Speech-to-Text API for voice input, improving accessibility and user engagement.
Built a custom reminder and notification system using AlarmManager, increasing user retention by 25%.

Smart Vision App (Android – Kotlin, ML Kit) [Link](#)

Mar '25 — May '25

- Engineered a multi-functional vision app featuring barcode scanning, face detection, text recognition, and image labeling using Google ML Kit.
COptimized camera performance by 30% using CameraX over legacy APIs.
Reduced code duplication by 60% through modular architecture with an abstract BaseLensActivity class.
Achieved 95% accuracy in real-time text and barcode detection with ML Kit analyzers.

Smart Travel Companion (Android – Java) [Link](#)

Apr '25 — May '25

- Built a feature-rich travel app integrating real-time weather updates, trip planning, and offline packing lists, serving 500+ users with a 4.5/5 average rating.
Reduced manual trip planning time by 40% by integrating RESTful APIs (Weather, Maps) and Room Database for seamless access to forecasts and transport guides.
Enhanced user engagement by 30% through an intuitive Material Design UI using RecyclerView, Navigation Components, and LiveData for smooth online/offline synchronization.
Optimized app performance with multithreading (AsyncTask/RxJava), reducing UI latency by 50% during heavy API and database operations.

EDUCATION

Bachelor of Science in computer science, Vellore Institute of Technology (GPA: 7.57)

Sep '21 — May '24
Vellore, India

State Board of Higher Secondary Examinations (GPA: 88)

Jun '19 — Apr '21
vellore, India

CERTIFICATIONS

Android App Development with Java, Udemy

Jun '01