

# Hemanth Kumar S

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## SUMMARY

Software developer with a foundation in Information Science and Engineering, specialising in Android app development with Kotlin, Jetpack Compose, and Firebase. Hands-on experience building AI-assisted production apps and applying Gen-AI tools (Claude, Gemini, AI Studio) for real-world development. Recipient of the Reliance Foundation Undergraduate Scholarship (top 5,000 nationwide) and certified in HTML, Python Fundamentals, and Data Structures. Focused on developing scalable applications with practical implementation experience in mobile and cloud-based systems.

## EDUCATION

### JSS Academy of Technical Education

B.E. in Information Science and Engineering | CGPA: 8.69\* (86.9%)

Bengaluru, Karnataka

2022 – 2026

### SDM Residential PU College

PCM | Percentage: 88%

Ujire, Karnataka

2020 – 2022

## EXPERIENCE

### Android App Development Intern — Gen AI Track

Mindmatrix, Bengaluru

Jan 2026 – May 2026

- Developed Android applications using Kotlin, Jetpack Compose, and Firebase, leveraging Gen-AI tools (Claude, Gemini API, Google AI Studio, Stitch) to streamline development workflows under mentor supervision.
- Implemented Firebase Authentication (Google Sign-In + Anonymous), WorkManager for background tasks, and Jetpack Navigation within MVVM architecture to build modular and maintainable codebases.

## PROJECTS

### Grama-Yatri | Kotlin, Jetpack Compose, Firebase RTDB, WorkManager

2026 – Present

- Community-powered rural bus tracking system (inspired by “Where is My Train”) covering 53+ Karnataka routes without GPS hardware dependency; seeded Firebase with accurate stop coordinates.
- Built real-time ETA engine using community pings, syncing updates to users in under 2 seconds via Firebase Realtime DB listeners.
- Implemented live GPS driver mode with FusedLocationProvider foreground service (30s updates), enabling passengers to view real-time bus location on Google Maps.

### Sante-Price Index | Kotlin, Jetpack Compose, Firebase, Room, MVVM

2026

- Vendor intelligence Android app for rural weekly-market traders; aggregates daily Mandi wholesale prices and applies a transparent cost-plus formula to generate a Recommended Retail Price (RRP).
- Features: real-time Mandi price feed, profit calculator with live updates, high-contrast digital price board (72sp text, sunlight-readable), 7-day trend sparklines, optimized for 2 GB RAM devices and APK size under 15 MB.

### AI-Based Mock Interview Platform | TypeScript, Gemini API, Next.js

2025

- Built an AI-driven mock interview platform leveraging Gemini API to generate domain-specific questions, evaluate answers, and provide structured feedback to candidates.
- Integrated Vapi for voice-based interaction, enabling real-time conversational interviews with 3–5 feedback insights per response.

### Personal Expense Tracker (Wallet Wiz) | Full-Stack Web, Clerk Auth

2024

- Led a 3-member team to develop a full-stack application, categorising 95% of user expenses with Clerk auth and implementing real-time updates that reduced manual tracking effort by 40% and enhanced usability.

## TECHNICAL SKILLS

**Languages:** Kotlin, Java, Python, JavaScript, TypeScript, C, SQL, HTML, CSS

**Cloud:** Firebase (Realtime DB, Auth, FCM, Analytics)

**Gen-AI Tools:** Claude (Anthropic), Gemini API, Google AI Studio, Stitch

**Tools:** Git, Android Studio, IntelliJ IDEA, VS Code, Tableau, Power BI

**Databases:** MySQL, MongoDB, Room (SQLite)