

DILIPKUMAR RAVICHANDRAN

On-Device AI Builder • Android Developer • Ex-NetSuite Developer • Mechatronics Engineer

Email: rdilipkumar2203@gmail.com | Phone: +91 75388 79358 | Portfolio: r-dilipkumar.github.io

LinkedIn: linkedin.com/in/r-dilipkumar | GitHub: github.com/R-Dilipkumar

Komarapalayam, Tamil Nadu · Open to roles in **Bengaluru** (on-site, hybrid or remote) · **Immediate joiner**

PROFILE SUMMARY

Self-taught AI and Android developer who learns by building: shipped four open-source Android apps, two with on-device speech AI. Ex-Zenardy NetSuite developer; automations cut Crunchyroll's PO-to-bill approval from 2 h to 10 min. B.E. Mechatronics, CGPA 8.29.

KEY PROJECTS

LiveSub: Offline Live Subtitles & Translation (Android)

Oct 2026

Kotlin, Jetpack Compose, Sherpa-ONNX, Silero VAD, Google ML Kit | Code: github.com/R-Dilipkumar/LiveSub-Offline-Translator

- Captures any app's audio or the mic, transcribes, translates and overlays live subtitles on any app; fully on-device: no account, no API key, no audio uploaded.
- Streaming or ~1 s whole-phrase ASR (SenseVoice, Moonshine, Parakeet, Whisper); native crash guard, atomic model installs, ordered translation queue. v1.1.0 shipped in a week.

Offline Reel Captions: Auto Subtitles for Indian Videos (Android)

Oct 2026

Kotlin, Whisper + Sherpa-ONNX, IndicTrans2, Media3 | Code: github.com/R-Dilipkumar/offline-reel-captions

- Offline captions for Tamil, Tenglish and 5 more Indian languages (per-language Whisper models, Silero VAD); shows original script, English letters by sound and an IndicTrans2 translation; MP4 or .srt export, 61 unit tests.

Net One Tap: One-Tap Mobile Network Reset (Android)

Oct 2026

Kotlin, Shizuku, hidden Android APIs | Code: github.com/R-Dilipkumar/one-tap-network-reset

Research write-up: r-dilipkumar.github.io/one-tap-network-reset

- Restarts only the mobile radio via hidden setRadioForSubscriber (Shizuku or root), tested on Android 16; per-SIM 5G status.

Also built

2023 - Present

Artisan NPR Studio: 134 offline GPU photo filters (OpenGL ES) | Code: github.com/R-Dilipkumar/photo-art-filters-android

Local Mobile AI: Termux assistant, Obsidian graph-RAG memory | IN-THRUST: wall-climbing robot (capstone)

WORK EXPERIENCE

Associate Developer (Technical / NetSuite Consultant)

Sep 2025 - Jun 2026

Zenardy Technologies Private Limited | Chennai, India (Hybrid) | Technical Intern Sep 2025, promoted Jan 2026

- **NetSuite automation:** Built SuiteScript 2.1 User Event scripts for Crunchyroll's PO-to-bill 3-way matching, cutting approval time from 2 hours to 10 minutes; handled change orders and multi-subsidiary tax.
- **Coupa integration:** Stopped credit memos applying to settled invoices; maintained Coupa invoice and vendor-payment sync into the NetSuite GL.
- **Integrations & ledgers:** Built Filevine to Zapier to NetSuite syncs, a NetSuite to Google Sheets live GL pipeline (Apps Script, OAuth 2.0 / TBA) and client-ledger views for two law firms; triaged automation errors with AP teams via Jira.

Mechatronics Engineering Intern

Apr 2024 - Jun 2024

Titan Engineering & Automation Limited (TEAL) | Hosur, India

- Calibration, end-effector testing and cell operations on FANUC robots; PLC ladder logic and C scripts for machine diagnostics.

Coding Coordinator & Campus Leader

Aug 2022 - Mar 2024

Kongu Engineering College | Erode | Ran Nexus and Throb coding events; mentored 20+ students

TECHNICAL SKILLS

AI & LLMS: LLM APIs, agent workflows, structured prompting, ICM, RAG, Hugging Face, Sherpa-ONNX, Whisper, IndicTrans2, ML Kit

ANDROID: Kotlin, Jetpack Compose, Coroutines, Room, foreground services, overlays, Media3, OpenGL ES / GLSL, Shizuku

ERP & INTEGRATIONS: SuiteScript 2.1, SuiteFlow, SuiteAnalytics, RESTlets, Coupa, Zapier, Filevine, OAuth 2.0 / TBA, Apps Script, Jira

ROBOTICS & EMBEDDED: FANUC robots, Allen-Bradley PLCs, ladder logic, ESP32 / ESP8266, SolidWorks, LabVIEW

LANGUAGES & TOOLS: Python, Kotlin, JavaScript, Java, C, SQL, Linux / WSL2, Git, Gradle, ADB

EDUCATION

B.E. Mechatronics Engineering, Kongu Engineering College (Autonomous), Erode | Anna University

2020 - 2024

CGPA 8.29 / 10, First Class with Distinction | HSC 2020: 70.3% | SSLC 2018: 87.2% (S.S.M. Lakshmi Ammal MHSS, Komarapalayam)

CERTIFICATIONS & HONORS

Certifications: GenAI, LLMs & Hugging Face Workshop (Cuvette) | Artificial Intelligence Course (SkillVertex) | NPTEL, IIT Kharagpur: Java (A), Cloud Computing (A), Air Pollution (A+)

Honors: 1st Prize, National Paper Presentation, Xion 2023 (SRM IST) | Rajya Puraskar (Governor's Award), Bharat Scouts & Guides | Top 5, college placement assessment | Regional badminton champion