# KARTHIKEYAN S

**Android | Flutter | Full-Stack Developer**

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Portfolio | LinkedIn | GitHub | Play Store | Google Dev Profile | Guvi Profile

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## 👨‍💼 PROFESSIONAL SUMMARY

**Full-stack mobile** and **web developer** with strong hands-on experience building scalable, production-grade apps using **Flutter, Native Android,** and various **modern web stacks.** Delivered production-grade applications for real-world **clients** and **Industries.** Successfully Published multiple apps on the **Google Play Store** with **AdMob** integration and monetization. Adept at end-to-end development — from clean UI/UX to robust backend, API development, and cloud deployment. Strong focus on **real-time databases**, **performance optimization**, and **secure architecture**.

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## 🛠️ TECHNICAL SKILLS

### 📲 Mobile App Development
- **Languages & Tools :** Java, Dart, Flutter, Android SDK, Android Studio, Play Console
- **Expertise :** Native & Cross-platform Development, Performance Optimization, App Store Deployment

### 🎨 Frontend Development
- **Languages & Libraries :** React.js, Next.js, HTML5, CSS3, Tailwind CSS, Material UI, Bootstrap, JavaScript, TypeScript
- **Expertise :** SPA/MPA Architecture, Responsive UI, SEO Optimization, Accessibility

### 🔧 Backend & APIs
- **Runtime & Frameworks :** Node.js, Express.js
- **API Design & Integration :** RESTful APIs, Firebase Functions, Supabase Edge Functions, Webhooks, Axios
- **Expertise:** Scalable Services, Auth Systems, Modular API Design

### 💾 Databases & Storage
- **Databases :** MySQL, PostgreSQL (incl. Supabase), Firebase Firestore, MongoDB
- **Cloud Storage :** Firebase Storage, Supabase Buckets
- **Expertise :** Schema Design, Real-time Sync, Access Control, Serverless DB Ops

### 🌐 Cloud & Dev Tools
- **Platforms :** Firebase (Auth, Firestore, Hosting, Functions), Supabase
- **Deployment :** Vercel, Netlify, Render, Firebase Hosting
- **Developer Tools :** Git, GitHub, VS Code, Postman, XAMPP
- **CI/CD Focus :** Lightweight pipelines, Cloud Integration, Automated Builds

### 💰 Analytics & Monetization
- **Tools :** Google AdMob, Google AdSense, Firebase Analytics & Monetization
- **Expertise :** In-app Monetization, Growth Tracking, Revenue Optimization, User Behavior Analysis

### 💻 Programming Languages
- Java • Dart • JavaScript • TypeScript • Python • C++

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## 🚀 PROJECTS

**Chemin Site Monitor – Enterprise Field Monitoring App |** 🔗 Live App
- Built MERN-stack app for Chemin Enviro Systems with real-time status tracking and RBAC.
- Integrated admin dashboard and deployed on scalable cloud infrastructure.

**SAIL Health Portal – Enterprise Web App |** 🔗 Live App
- Developed employee health record portal using React.js, Node.js, and MySQL.
- Cut manual report time by 40% via digitized health data access.

**CashSify – Earning App |** 🔗 Play Store Link
- Developed a student earning app with ad-based revenue system using Flutter and Supabase backend.
- Integrated Google AdMob for monetization and real-time leaderboard features.
- Automated referral tracking and user-level earnings through Supabase database.

**Track My Grade – Android App |** 🔗 [Play Store Link](#)
- Native Android app for CGPA and semester grade tracking built in Java with Firebase backend.
- Set up ad-based monetization using Google AdMob, enabling revenue generation from user activity.

**CuroSync – Health Telemedicine App |** 🔗 [Live App](#)
- Cross-platform telemedicine app built using Flutter and Firebase for Android, iOS, and Desktop.
- Implemented video consultation, doctor booking, and secure patient authentication.

## 🏢 EXPERIENCE

**Flutter & Full Stack Developer | Pep Softwares, Remote |** *July 2025 – Present*
- Developed client-facing Flutter apps and full-stack MERN apps.
- Handled Supabase, Firebase, MySQL, MongoDB, and complete deployment lifecycle.
- Worked with UI/UX teams for fast, responsive mobile-first applications.

## 👷 INTERSHIPS

**Chemin Enviro Systems Pvt. Ltd., Erode |** *Jun 2025 – July 2025*
- Developed internal tools (Site Monitor & Asset Track) using MERN stack.
- Focused on enterprise-grade field tracking, asset management, and real-time data handling.

**Steel Authority of India Limited (SAIL), Salem | Full Stack Developer Intern |** *Feb 2025 – Apr 2025*
- Built employee health management portal (React.js, Node.js, MySQL). Reduced latency by 40%.
- Gains hands-on experience on Deploying the web application on the physical servers.

**Ether Infotech, Coimbatore** | **Android Developer Intern |** Jan 2025
- Developed Android modules in Java and integrated Firebase Authentication and Firestore.
- Gained experience in mobile UI development and user login flows.

**Crescent Infotech, Erode | Python for Data Science Intern |** *Jun 2024*
- Built basic ML pipelines and performed data analysis using Pandas and Matplotlib.
- Visualized insights from structured datasets and practiced real-world Python use cases.

## 🏫 EDUCATION

- **B. TECH AI & DS**, *Excel Engineering College, Namakkal* **|** *2022 – 2026* (Pursuing) | **Current CGPA : 8.0**
- **HSC** – Saraswati Matric Hr Sec School, Salem **|** *2021 – 2022* | **77.17%**
- **SSLC** – Saraswati Matric Hr Sec School, Salem **|** *2019 – 2020* | **92.60%**

## 📜 CERTIFICATES

- The Joy of Computing with Python – NPTEL
- MongoDB Java Developer Path – MongoDB University
- Python – Guvi
- Android Development – Great Learning
  - 📁 **All certificates** available here: GitHub Repository