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Professional Summary

Software Engineer with 2+ years of experience in Flutter, Python, and IoT systems, specializing in real-time data applications, backend integration, and scalable mobile apps. Promoted at Herin Electronics for outstanding contributions in full-stack development and cross-functional teamwork.

Experience

Herin Electronics

Software Development Engineer (Jan 2025 – Present)

- Delivered scalable and maintainable software across mobile and embedded platforms.
- Integrated real-time data systems with hardware using MQTT, BLE, and WiFi.
- Led feature enhancements: task manager, reminders, ads, and subscriptions, boosting user engagement.

Application Engineer (Jan 2023 – Jan 2025)

- Built cross-platform apps with multimedia (video, audio, PDF), achieving 5,000+ downloads.
- Optimized SQL queries and DB schemas, improving performance and load times.
- Developed IoT dashboards with live data streaming and real-time reporting.

Projects

Vishwanandini App (Android & iOS)

- Developed a high-performance multimedia streaming app using Flutter.
- Integrated REST APIs, Firebase Cloud Messaging, and deep linking.
- Built responsive UI with BLoC pattern, gesture support, and smooth navigation.

Advanced Metrology Calibration Suite

- Built a Python-based tool to calibrate multimeters, oscilloscopes, and Fluke calibrators (5500/9500).
- Supported both GUI and CLI modes for lab and enterprise use.
- Automated measurement logging and Excel report generation.

Excel Comparison and Validation Tool

- Flutter desktop app to compare, validate, and flag discrepancies in calibration records.
- Included checks for date formats, units, and value accuracy.

- Integrated Python backend to reduce manual errors and improve efficiency by 40%.

IoT Dashboard for Data Management

- Real-time dashboard for serial data acquisition and visualization.
- Enabled faster data interpretation and reduced reporting time by 30%.
- Used live graphs and logs to support decision-making in hardware environments.

Other Projects

- Quiz App (Gemini API), Ayurvedic Chatbot, Attendance Tracker (Google Apps Script), Website templates.

Education

MCA – Karnataka State Open University | CGPA: 8.3 | Expected 2025

BCA – Davangere University | CGPA: 8.9 | 2022

Certifications

- [Software Engineering Certificate](#) – HackerRank
- [SQL Intermediate Certification](#) – HackerRank

Skills

- Languages & Frameworks: Flutter, Dart, Python, SQL
- Architecture & Patterns: MVVM, Clean Architecture, BLoC
- APIs & Tools: RESTful APIs, Firebase, Postman, Git
- IoT & Connectivity: MQTT, BLE, WiFi
- DevOps & Hosting: App Deployment, Deep Linking, Apache
- Other Expertise: State Management, Push Notifications, UI/UX Design

Core Strengths

- Strong problem-solving and analytical thinking
- Effective communicator and team collaborator
- Fast learner and quick to adopt new technologies

Declaration

I hereby certify that the information provided above is true and accurate to the best of my knowledge.