

Production Scanner App

AI-powered manufacturing quality control and production tracking. Three role-based modes for different levels of quality assurance. Designed for shop-floor teams to scan, log, and verify production output with AI-driven defect detection.

Key Features

- Barcode/QR scanning with quality status logging (Pass/Reject)
- AI-powered defect analysis via Google Gemini Vision API
- Photo documentation of defects with automated shift reports
- Dual-process support: outward production + inward field returns
- Offline capability with Google Sheets cloud sync

Technology Stack

Gemini AI

Barcode Scanner

Google Sheets

PWA



Manufacturing defects reaching customers →

AI-caught at the line

Live Demo: <https://aravindcleaerr.github.io/ps-app/>

Tools to Nought Error — Engineering precision into every system.