



Finonyx DocSecure

AI-Driven Document & Identity Verification for Digital Banking

Banks handle identity documents every day, Aadhaar, Passport, PAN, KYC forms, loan documents, signatures. Manual and OCR-based verification is often slow, error-prone, and risky, leading to fraud, compliance issues, and delays in customer onboarding.

Finonyx DocSecure solves these challenges by offering a secure, AI-powered, automated document verification platform. It enables banks to verify identity documents, authenticate signatures, detect fraud, and store verification data with complete audit trails.

Why DocSecure?

- Reliable OCR extraction from complex identity documents
- Signature authentication using SSIM & computer vision
- Advanced document authenticity checks
- Multi-format (JPG/JPEG/PNG/PDF) & multi-page support
- Seamless API integration with existing banking systems
- Configurable compliance rules aligned with KYC standards

Key Features

AI-Based Identity Verification

Extracts and validates data from Aadhaar, Passport, and other ID documents using OCR and AI-based comparison.

Signature Verification

Uses advanced algorithms like SSIM to compare customer signatures, detect mismatches, and prevent fraud.

Fraud Detection & Tampering Check

Identifies photoshopped documents, altered fields, or duplicates using image analytics and rule-based logic.

Compliance Rules Engine

Applies bank-defined and regulatory rules for document validation, ensuring KYC and audit-ready workflows.

Secure Document Storage & Audit Logs

Stores verified documents and logs every action (upload, view, verify, reject) for traceability and legal compliance.

Real-Time Dashboard & Monitoring

Provides a unified dashboard for operations teams to view pending cases, approved verifications, turnaround times, and exceptions.

Technical Highlights

Component	Details
Frontend	Modern web application with guided user flows
Backend	FastAPI, OCR engines (PaddleOCR + Tesseract), ML services
AI Engine	Document classification, OCR, signature verification, fraud detection
Database	Oracle with encrypted storage
Security	TLS 1.2+, RBAC, audit trails Deployment: Cloud / On-prem / Hybrid

Business Impact

Faster Processing

Reduces verification time from hours to minutes, accelerating account opening and loan approvals.

Reduced Fraud & Risk

Prevents forged documents and mismatched signatures from entering the system.

Improved Compliance

Every verification is recorded with time-stamped audit trails, ensuring regulatory readiness.

Lower Operational Costs

Cuts down manual verification, paperwork, and dependency on large review teams.

Higher Employee Productivity

Automated workflows allow staff to focus on decision-making instead of manual document checks.

Better Customer Experience

Fast, secure, and digital verification builds customer trust and smooth onboarding.

Transform Identity Verification with Finonyx DocSecure

DocSecure is more than OCR, it is an intelligent, secure, and scalable verification platform built for modern banking.

Partner with Finonyx

Join hands with a partner that understands banking inside out. Finonyx combines deep domain expertise with future-ready solutions like DocSecure to power your digital transformation journey.

For more info



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